

SAINT-GOBAIN SOLUTIONS GUIDE





About Saint-Gobain

A world leader in lightweight and sustainable building solutions, Saint-Gobain designs, manufactures and distributes materials and services for the industrial and construction markets.

Its integrated solutions for the renovation of public and private buildings, for lightweight construction and the decarbonization in construction and industry are developed through a continuous process of innovation and offer durability and performance.

The Group's commitment is guided by its purpose, "MAKING THE WORLD A BETTER HOME".

In Romania, Saint-Gobain provides products and solutions from the Abrasives, Glass, Saint-Gobain Prime Glass Working, Sekurit, ISOVER, PAM, Rigips, Weber, Duraziv and Chryso ranges, employing approximately 2,000 people across 14 industrial sites located in Brănești, Călărași, Ploiești, Satu Mare, Turda, Suceava, Vălenii de Munte, Popești Leordeni and Aricești Rahtivani.

For more information about Saint-Gobain Group in

Romania, visit www.saint-gobain.ro and follow us on Facebook@SaintGobainRO or LinkedIn@saint-gobain-romania.

In everything we do, we are guided by our purpose: **Making the World a Better Home**. Whatever our activities in construction markets, we translate our purpose into strategic commitment and concrete actions.

We offer innovative solutions to improve building performance and to support you on your journey towards greater sustainability by advocating for better, safer, more durable, more comfortable and higher performing buildings.

We are at your side to innovate and help you design, construct and renovate better quality buildings that reduce the impact on our planet, improve people's health and well-being, and guarantee lower costs and better value.

Thanks to Saint-Gobain Group's history of over 350 years and the synergies between our different activities, specialized brands and expertise, we want to be your preferred partner in improving the quality of buildings.

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Saint-Gobain
Solution Guide.



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Revit objects.
Or
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Benefits of SAINT-GOBAIN solutions



Thermal insulation



Sound insulation



Fire resistance



Vapor permeable



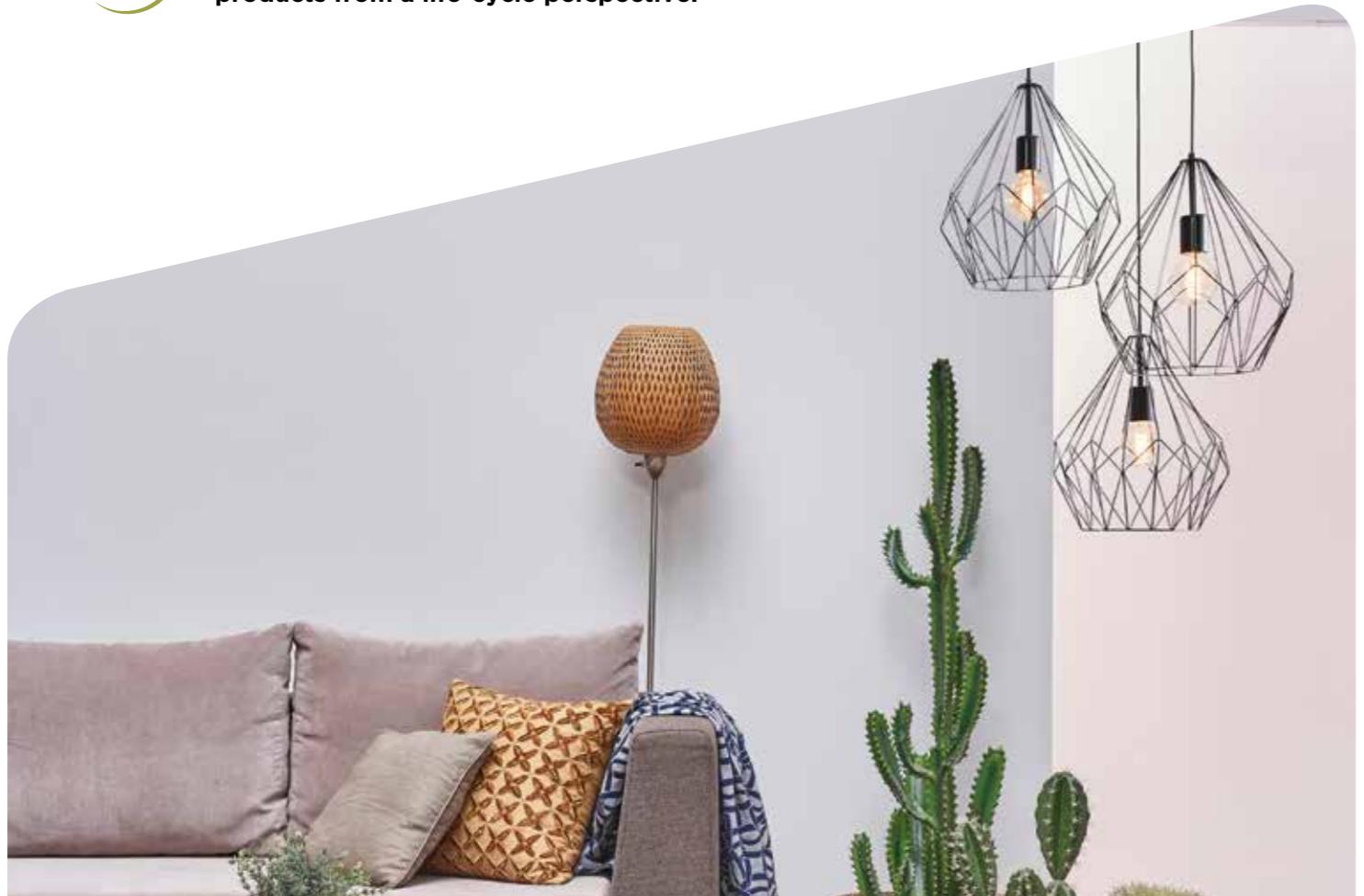
Technical solution with reduced lead times



Low environmental impact



Environmental Product Declaration - a transparent, objective, comparable and third-party verified report communicating the environmental performance of products from a life-cycle perspective.

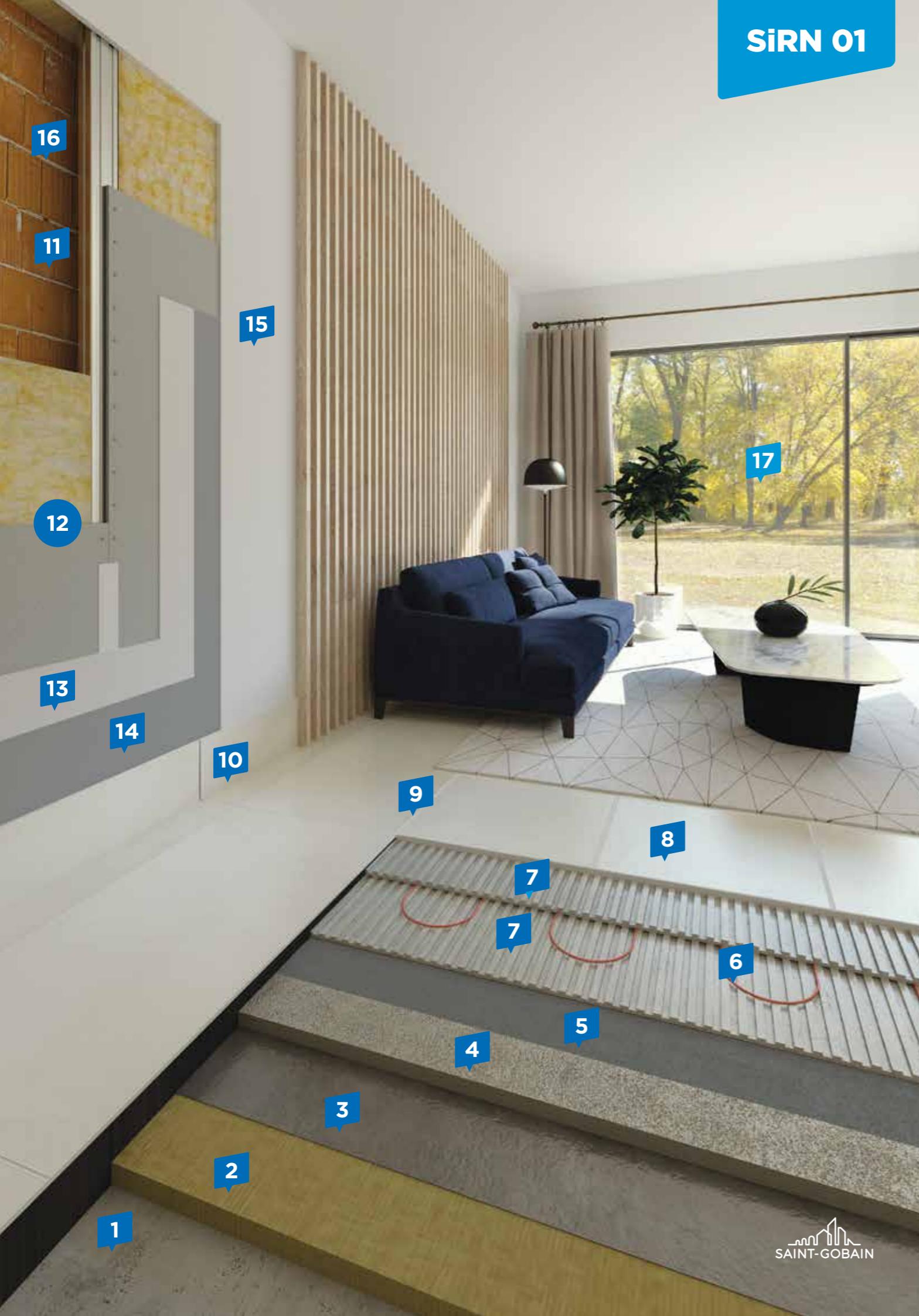


This publication is aimed at construction specialists. All the information contained in this material is the latest state of development and has been processed especially for you. Because we want to offer you the best solutions, we reserve the right to make updates due to technical or production changes. Please make sure you always have the latest version of this material. Typographical errors cannot be ruled out.

NOTE:

- The images and solutions shown in this Guide are for guidance only!
- Certain solutions or systems may differ from similar solutions shown on other websites or in other company documents.
- The solutions can be modified and adapted to the various situations encountered in projects; on construction sites, on site or wherever needed.
- The manufacturer SC SGCPRO SRL reserves the right to make changes in the solutions shown without prior notice.
- The manufacturer reserves the right to remove or modify certain systems or solutions (with associated code numbers) from all company websites without prior notice.
- We inform you that these systems are inserted in projects under the sole responsibility of the designer, who must check their compliance with their use on site. For any clarifications or details needed in a solution, please contact the technical department of SGCPRO.





EASY TO INSTALL



COMPATIBLE WITH UNDERFLOOR HEATING



COST EFFECTIVE



THERMAL COMFORT

1 Substrate - reinforced concrete slab.

2 Isover T-P

Insulation made of rigid sheets of hydrophobized, basalt mineral wool with thermal and sound insulation capabilities and CP2 compressibility.

3 Polyethylene film to protect against the cement laitance that may form when pouring the leveling screed

4 weber D10

Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. Applicable in thicknesses of 20-50 mm. Recommended to be reinforced.

5 weberprime bond

Ready-mixed, concentrated universal primer, used to even out the water absorption of substrate in order to obtain highly adhesive surfaces.

6 Electric underfloor heating system (embedded within the adhesive).

7 weberset superflex max²

Gray cement-based, flexible powder adhesive for critical surfaces, with mineral additives, reinforcing fibers and synthetic resins, applicable in a thin layer (up to 10 mm). Also recommended for large tiles format.

8 Ceramic tiles.

9 webercolor design

Flexible joint filler for interior and exterior use, resistant to water, mold, mildew and dirt. For joint widths between 1 and 8 mm.

10 webercolor SIL

Mold-resistant acetic silicone sealant for joints and seams.

11 Substrate - brick masonry wall.

12 Dry plasters with Habito[®] plasterboards - Rigips code - 3.21.00 Ha ST

Dry plastering system, mechanically fixed on Rigiprofil UD 28/CD 60 profiles, consisting of:

- Rigiprofil[®] UD28 guide rail + Rigips[®] sealing tape
- Rigiprofil[®] CD60 upright profile
- Rigips[®] 30/60/90 mm adjustable bracket
- Isover mineral wool
- Habito[®] plasterboards (single-layer installation)
- Rigips[®] HartFix[®] self-tapping screws
- Rigips[®] joint reinforcement tape
- Rigips[®] SUPER joint filler

13 Rigips[®] PROMIX FINISH PLUS

Ready-mixed surface-finishing paste for interior use as a finishing coat before painting with washable paints or wallpapering.

14 Rigips[®] PRIME

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

15 Washable paint for protection and decoration of interior surfaces.

16 weber KL15

Brick masonry mortar. Gray cement-based powder with quartz sand and synthetic resins. Easy to work with, offering high compressive strength and good adhesion to the substrate.

17 PLANISTAR[®] SUN PLUS & PLANISTAR[®] SUN PLUS II

Glass designed for maximum transparency, very low solar factor and excellent thermal insulation coefficient.

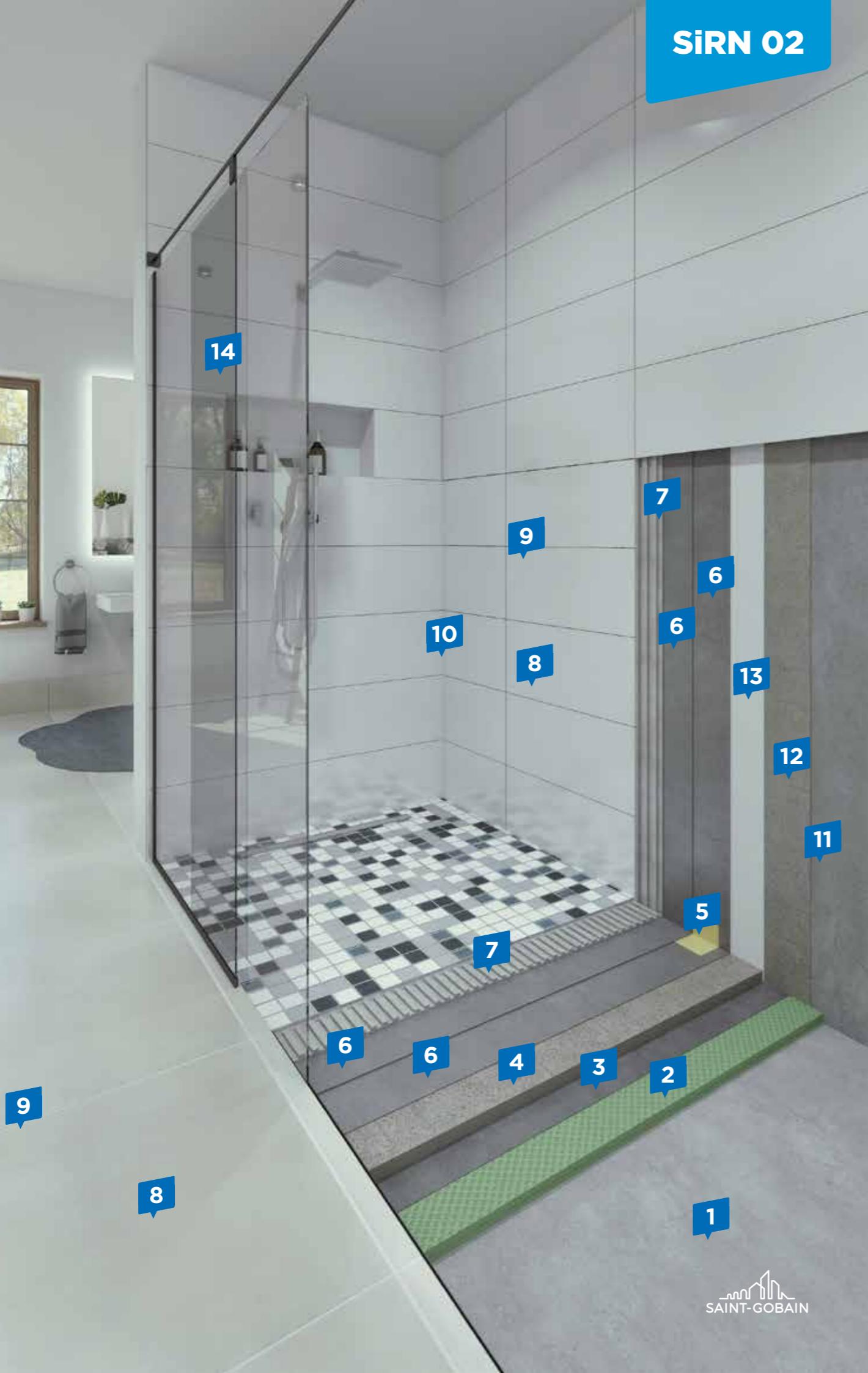
STADIP[®] / STADIP[®] PROTECT

Laminated safety/security glass.

Laminated safety glass offers:

- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection

EPD only for the following products: Habito[®] board, Rigips[®] SUPER; STADIP[®]



SiRN 02

Shower cabin waterproofing with
ceramic tile finishing



SELF CLEANSING
EFFECT



WATERPROOF



WET
SURFACE



REDUCED
COSTS

1 Substrate - reinforced concrete slab.

2 **Extruded polystyrene XPS**

Thermal insulation made of rigid sheets of extruded polystyrene XPS foam.

3 Polyethylene film to protect against the cement laitance that may form when pouring the leveling screed.

4 **weber D10**

Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. Applicable in thicknesses of 20-50 mm. Recommended to be reinforced.

5 **webertec max tape**

Sealing tapes for waterproofing systems Roll length: 50 m.

Provides a complete seal in critical areas against the action of water. High elasticity.

6 **webertec hydroprotect**

Cement-based, flexible, bi-component waterproofing slurry modified with a polymer emulsion. High elasticity. Flexible even at -20 degrees. Complete sealing against water. Resistant to cracking. Resistant to freeze-thaw cycles. Easy to apply.

7 **weberset superflex max²**

Gray cement-based, flexible powder adhesive for critical surfaces, with mineral additives, reinforcing fibers and synthetic resins, applicable in a thin layer (up to 10 mm). Also recommended for large tiles format

8 Ceramic tiles.

9 **webercolor design**

Flexible joint filler for interior and exterior use, resistant to water, mold, mildew and dirt. For joint widths between 1 and 8 mm.

10 **webercolor SIL**

Mold-resistant acetic silicone sealant for joints and seams.

11 Substrate - reinforced concrete wall.

12 **weberprime kontakt plus**

Ready-mixed professional contact primer, used to even out the water absorption of substrate in order to obtain highly adhesive surfaces.

13 **weber BC25**

Mechanized cement-based plaster. Gray cement-based powder with mineral additives and synthetic resins. High strength, good adhesion, fine-grained. Mechanized application.

14 **TIMELESS[®]**

• glass designed for shower enclosures and bath panels, obtained by means of high-performance, almost invisible magnetron deposition on the supporting glass - PLANICLEAR[®].

Benefits offered:

- a very transparent glass
- protects against corrosion
- dirt and limescale cannot adhere to its surface, the glass retains its clear, clean appearance over time with minimal effort



1

SiRN 03

EASY TO
INSTALLLIGHT
WEIGHTEASY
INSTALLATIONSOUND
INSULATION

SiRN 03

Lightweight partition wall and suspended ceiling made with plasterboards

5 Washable paint for protection and decoration of interior surfaces.

6 Partition walls

with Rigips® FONIC plasterboards - code 3.45.05
Non-bearing partition wall on single metal structure UW/ CW 75, composed of:

- Rigiprofil® UW75 guide rail + Rigips sealing tape
- Rigiprofil® CW75 upright profile
- Isover AKUSTO 75 mm mineral wool
- Rigips® FONIC plasterboard (double-layer installation)
- Rigips self-tapping screws
- Rigips joint reinforcement tape
- Rigips® SUPER joint filler

1 Substrate - reinforced concrete slab.

2 Non-demountable suspended ceiling with 6 Rigips® RB/RBI plasterboards - code 4.05.24 ST

Non-demountable suspended ceiling under concrete slab, made on double metal structure placed in different planes, composed of:

- Rigiprofil® UD28 guide rail + Rigips sealing tape
- Rigiprofil® CD60 carrier profile
- Rigiprofil® CD60 mounting profile
- Double cross connector for CD profiles
- Multiple bracket suspension system
- Isover AKUSTO 50 mm mineral wool
- Rigips RB/RBI plasterboards (single-layer installation)
- Rigips self-tapping screws
- Rigips joint reinforcement tape
- Rigips® SUPER joint filler

3 Rigips® SUPER TOP

White, gypsum-based ultra-fine finishing plaster designed for finishing plasterboard surfaces, as well as pre-leveled interior walls and ceilings (interior plasters or base coats) applied mechanically (with airless pumps) or manually in thicknesses up to 1 mm, in one or more layers.

4 Rigips® PRIME

Concentrated universal primer based on special organic dispersion for absorbent surfaces.



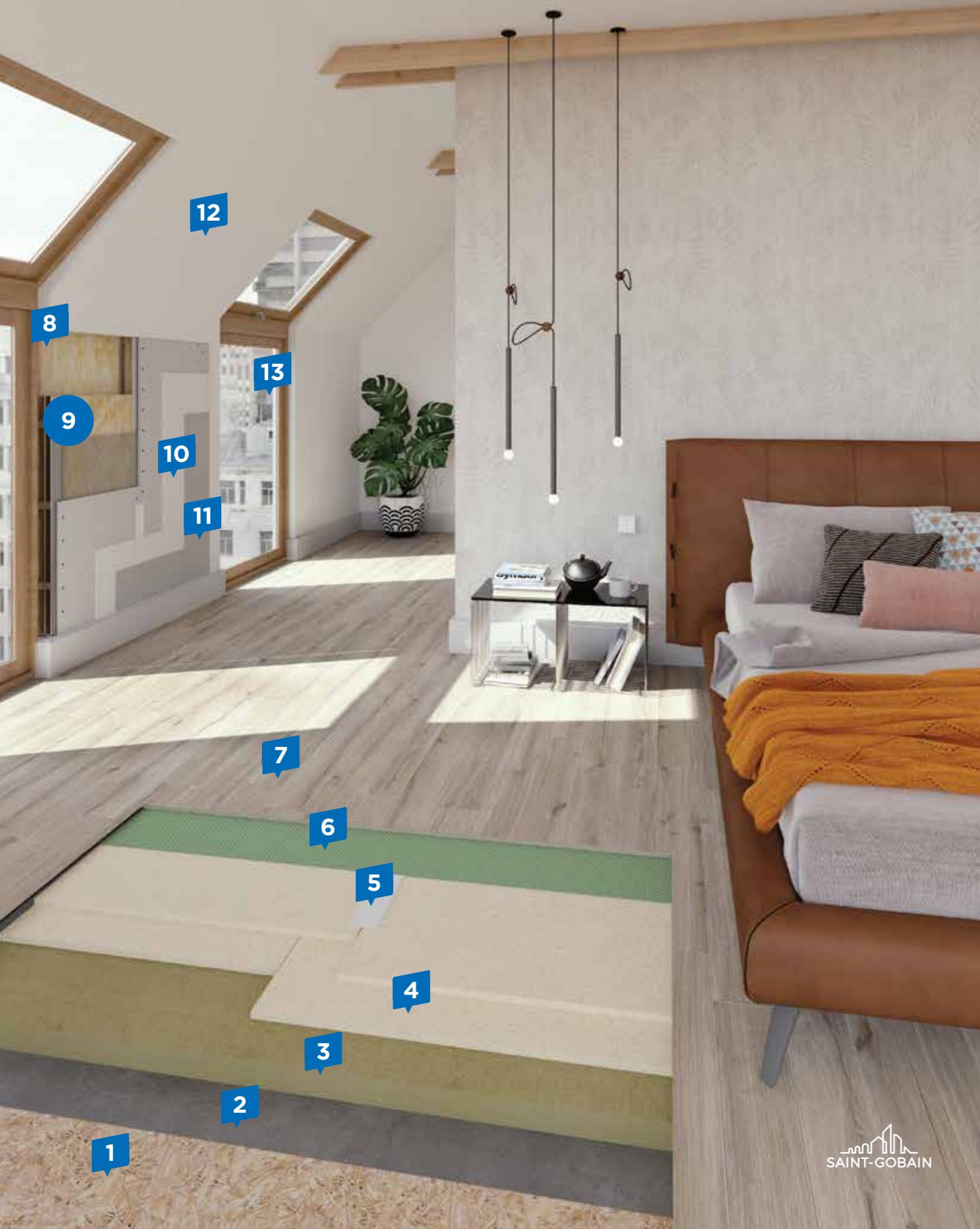
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EPD only for the following products: RB/RBI, Rigips® FONIC boards; Isover AKUSTO; Rigips® SUPER



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SAINT-GOBAIN



EPD only for the following products: RB/RBI/Rigidur® boards; Isover VARIO®KM Duplex UV; Rigips® SUPER; STADIP®



EASY TO
INSTALL



LIGHT
WEIGHT



MECHANICAL
RESISTANCE



THERMAL
COMFORT

SiRN 04

Dry screed flooring, made of Rigidur® boards, for timber construction.
Finishing of interior walls with plasterboards

1 Substrate - OSB boards slab

2 Vapor barrier film (*optional depending on situation and case).

3 Isover T-P

Insulation made of rigid sheets of hydrophobized, basalt mineral wool with thermal and sound insulation capabilities and CP2 compressibility.

4 Rigidur® H 12,5 4 SK

Dry screed made of impact-resistant boards fabricated from gypsum reinforced with cellulose fibers (with straight edge SK).

5 Rigips® VARIO

Gypsum-based filler for joints.

6 Substrate for floating floor made of three-layer parquet (PU + PET film).

7 Three-layer parquet.

8 Substrate - timber structure of the building.

9 Dry plastering with RB/RBI plasterboards

- Rigips code - 3.21.00 ST

Dry plastering system, mechanically fixed on Rigiprofil® UD28/CD60 profiles, consisting of:

- Rigiprofil® UD28 guide rail + Rigips® sealing tape
- Rigiprofil® CD60 upright profile
- Rigips® 30/60/90 mm adjustable bracket
- Isover mineral wool
- Isover VARIO® KM Duplex UV vapor barrier
- RB/RBI plasterboards (single-layer installation)
- Rigips® self-tapping screws
- Rigips® joint reinforcement tape
- Rigips® SUPER joint filler

10 Rigips® SUPER TOP

White, gypsum-based ultra-fine finishing plaster designed for finishing plasterboard surfaces, as well as pre-leveled interior walls and ceilings (interior plasters or base coats) applied mechanically (with airless pumps) or manually in thicknesses up to 1 mm, in one or more layers.

11 Rigips® PRIME

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

12 Washable paint for protection and decoration of interior surfaces.

13 PLANISTAR® SUN PLUS & PLANISTAR® SUN PLUS II

Glass designed for maximum transparency, very low solar factor and excellent thermal insulation coefficient.

STADIP® / STADIP® PROTECT

Laminated safety/security glass

Laminated safety glass offers:

- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection



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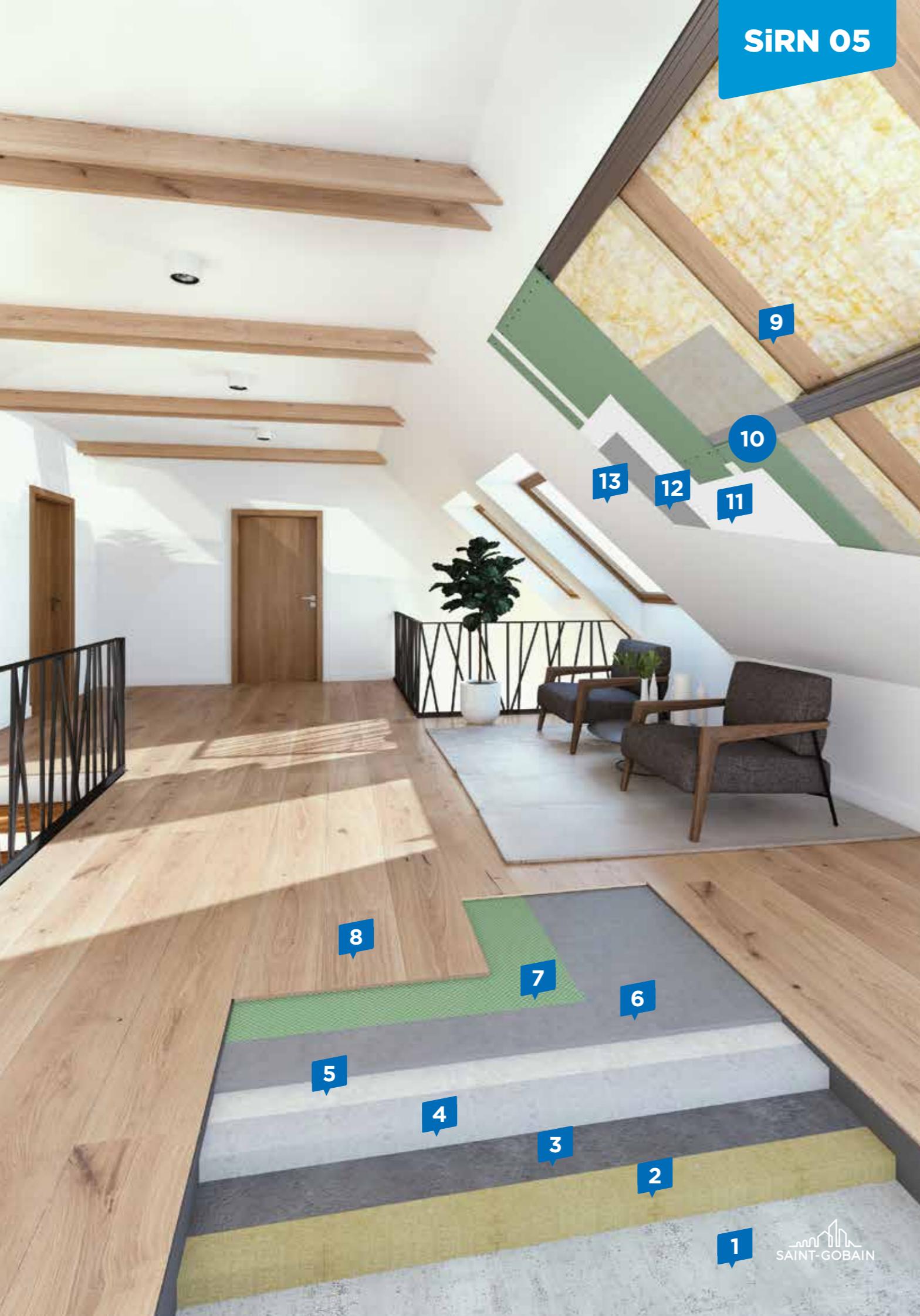
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10



11

EASY TO
INSTALLTHERMAL
COMFORTSOUND
INSULATIONENERGY-
SAVING

1 Substrate - reinforced concrete slab.

2 **Isover T-P**

Insulation made of rigid sheets of hydrophobized, basalt mineral wool with thermal and sound insulation capabilities and CP2 compressibility.

3 Polyethylene film to protect against the cement laitance that may form when pouring the leveling screed.

4 **weber D10**

Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. Applicable in thicknesses of 20-50 mm. Recommended to be reinforced.

5 **weberprime bond**

Ready-mixed, concentrated universal primer, used to even out the water absorption of substrate in order to obtain high adhesion surfaces.

6 **weberfloor home**

Quick self-leveling screed. Mortar based on mineral binders and modified polymers, with additives, which give it optimal leveling properties without the risk of shrinkage. Applied in thicknesses of 2-30 mm.

7 Substrate for floating floor made of three-layer parquet (PU + PET film).

8 Three-layer parquet.

9 Substrate - timber structure of the roof truss/roof.

10 **Ceiling for attic loft roof with RB/RBI plasterboards - Rigips code - 4.70.04 ST**

Loft ceiling on simple metal structure with Rigiprofil® UD28/CD60 profiles, composed of:

- Rigiprofil® UD28 guide rail + Rigips sealing tape
- Rigiprofil® CD60 carrier profile
- Anchor bracket for Rigiprofil® CD profiles to the wooden roof structure, on the side of the rafters
- Isover FORTE mineral wool (2 layers - total thickness 300 mm)
- Isover VARIO® KM Duplex UV vapor barrier
- RB/RBI plasterboards (single-layer installation)
- Rigips® 212/45 self-tapping screws
- Rigips® joint reinforcement tape
- Rigips® SUPER joint filler

11 **Rigips® PROMIX FINISH PLUS**

Ready-mixed surface-finishing paste for interior use as a finishing coat before painting with washable paints or wallpapering.

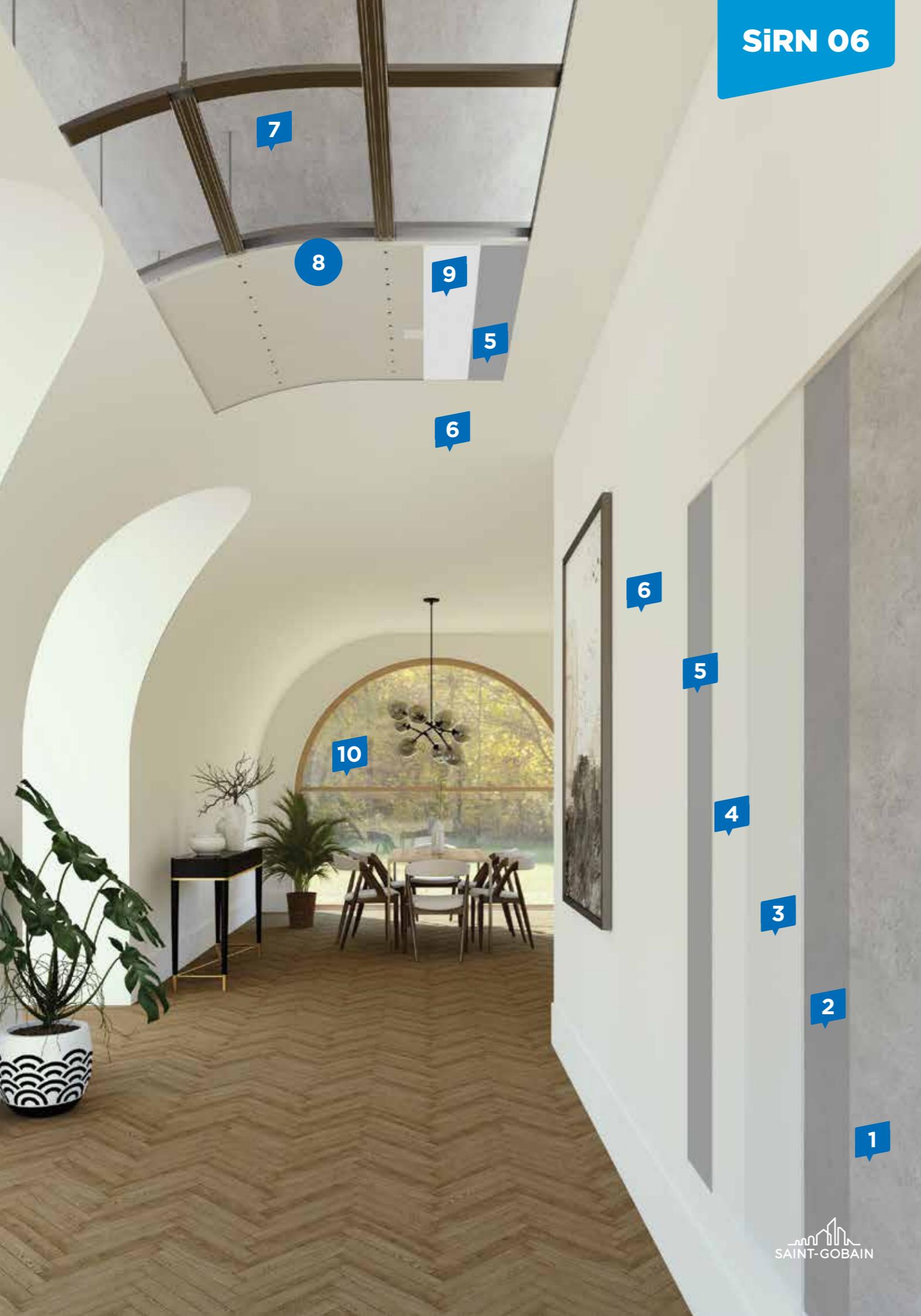
12 **Rigips® PRIME**

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

13 Washable paint for protection and decoration of interior surfaces.



EPD only for the following products: RB/RBI boards; Isover VARIO®KM Duplex UV; Rigips® SUPER



SiRN 06

Finishing of interior walls.
Curved suspended ceiling



MECHANICAL
RESISTANCE



EASY TO
APPLY



EASY TO
INSTALL



VAPOR
PERMEABLE

1 Substrate - reinforced concrete wall.

2 **weberprime kontakt plus**

Ready-mixed professional contact primer, used to even out the water absorption of substrate in order to obtain highly adhesive surfaces.

3 **weber BC25**

Mechanized cement-based plaster. Gray cement-based powder with mineral additives and synthetic resins. High strength, good adhesion, fine-grained. Mechanized application.

4 **weber N17**

White gypsum-based skim coat. White colored powder based on mineral compounds, rich in additives and synthetic resins, professional-grade. Applicable in up to 7 mm thick coat.

It has good strength and good adhesion to the substrate.

5 **Rigips® PRIME**

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

6 Washable paint for protection and decoration of interior surfaces.

7 Substrate - reinforced concrete slab.

8 **Curved, non-demountable suspended ceiling, on double metal structure - Rigips® code 4.05.50 ST**

Curved, non-demountable suspended ceiling system, under concrete slab, made on double metal structure, composed of:

- VERTEBRA GV30 profile guide rail + Rigips® sealing tape
- Curved load-bearing CD profile for curves
- Rigiprofil® CD60 mounting profile
- CD profile cross connector
- NONIUS rod suspension hanger system for curved CD profiles
- Glasroc® F Reflex boards (single-layer installation)
- Rigips® self-tapping screws
- Rigips® joint reinforcement tape
- Rigips® SUPER joint filler

9 **Rigips® PROMIX FINISH PLUS**

Ready-mixed surface-finishing paste for interior use as a finishing coat before painting with washable paints or wallpapering.

10 **PLANISTAR® SUN PLUS & PLANISTAR® SUN PLUS II**

Glass designed for maximum transparency, very low solar factor and excellent thermal insulation coefficient.

STADIP® / STADIP® PROTECT

Laminated safety/security glass.

Laminated safety glass offers:

- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection



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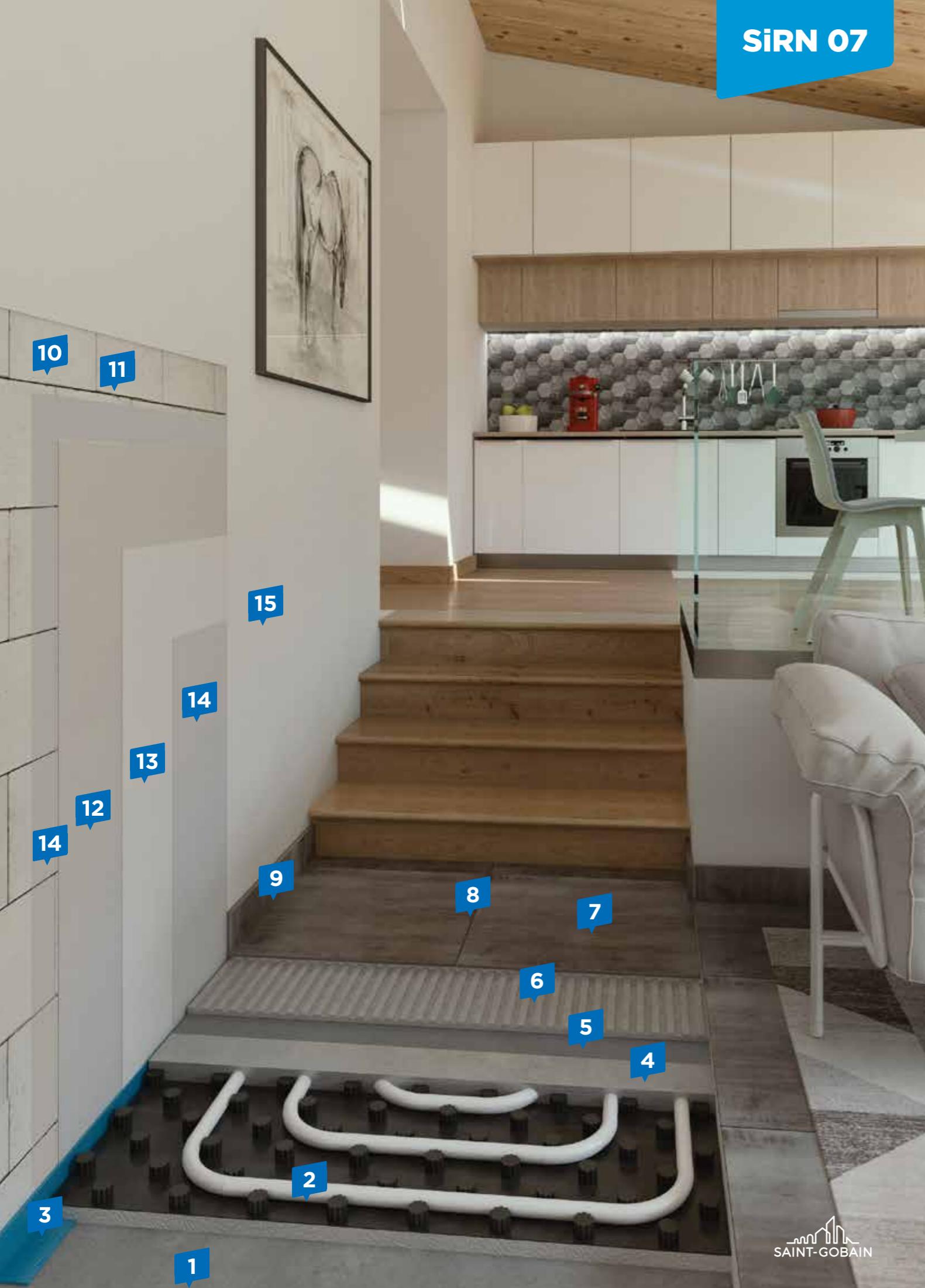
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EPD only for the following products: Rigips® SUPER; STADIP®



SiRN 07

Finishing of interior masonry walls with gypsum-based plaster. Finishing of floating screed floor with built-in heating system



LIGHT WEIGHT



EASY TO INSTALL



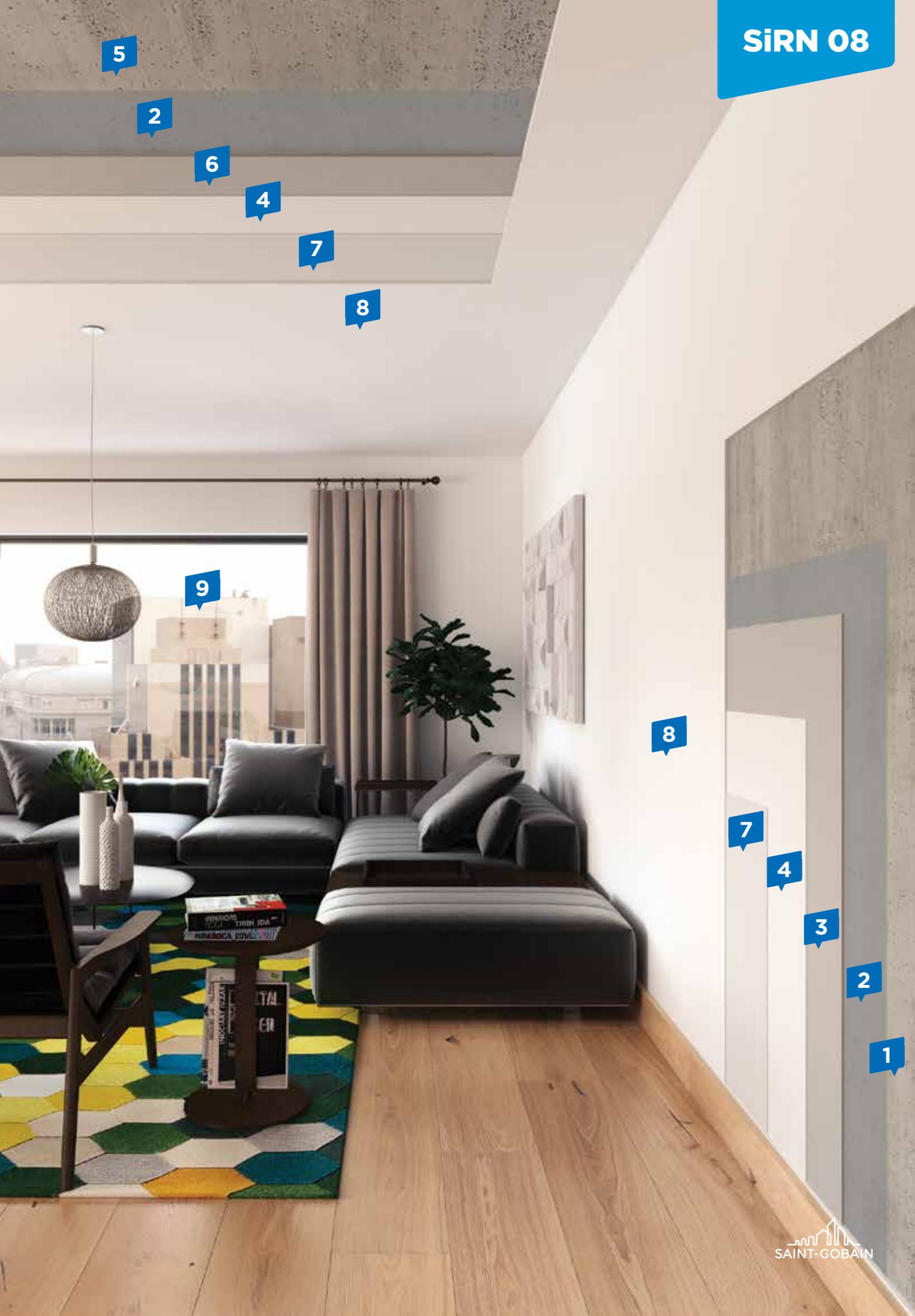
VAPOR PERMEABLE



COMPATIBLE WITH UNDERFLOOR HEATING

- 1 Substrate - reinforced concrete slab.
- 2 Underfloor heating and insulation system: Thermal insulation made of polystyrene rigid sheets and dimpled panel.
- 3 Perimeter insulation tape.
- 4 **weber D10**
Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. It is applied in thicknesses of 20-50 mm and is recommended to be reinforced.
- 5 **weberprime bond**
Ready-mixed, concentrated universal primer, used to even out the water absorption of substrate in order to obtain high adhesion surfaces.
- 6 **weberset superflex max²**
Gray cement-based, flexible powder adhesive for critical surfaces, with mineral additives, reinforcing fibers and synthetic resins, applicable in a thin layer (up to 10 mm). Also recommended for large tiles format.
- 7 Ceramic tiles.
- 8 **webercolor design**
Flexible joint filler for interior and exterior use, resistant to water, mold, mildew and dirt. For joint widths between 1 and 8 mm.
- 9 **webercolor SIL**
Mold-resistant acetic silicone sealant for joints and seams.
- 10 Substrate - AAC masonry wall.
- 11 **weber PL25**
Masonry mortar for AAC. Gray cement-based powder with quartz sand and synthetic resins. Easy to work with, offering high adhesion to the substrate and masonry elements.
- 12 **Rimano[®] UNI**
Gray lightweight gypsum-based plaster, with perlite additive, intended for mechanized interior application, in 5 mm - 40 mm layer. Mechanized application.
- 13 **Rigips[®] SUPER TOP**
White, gypsum-based ultra-fine finishing plaster designed for finishing plasterboard surfaces, as well as pre-leveled interior walls and ceilings (interior plasters or base coats) applied mechanically (with airless pumps) or manually in thicknesses up to 1 mm, in one or more layers.
- 14 **Rigips[®] PRIME**
Concentrated universal primer based on special organic dispersion for absorbent surfaces.
- 15 Washable paint for protection and decoration of interior surfaces.

EPD only for the following products: Rimano[®] UNI



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SAINT-GOBAIN

CRACK
RESISTANCEEASY TO
APPLYMECHANICAL
RESISTANCEVAPOR
PERMEABLEREDUCED
COSTS

SiRN 08

Finishing of interior walls and ceilings
with gypsum-based plasters and skim
coats

1 Substrate - reinforced concrete wall.

2 **Rigips® KONTAKT**

Ready-mixed contact primer, used to provide an adhesive bridge when applying gypsum plasters on smooth (concrete) and non-absorbent surfaces.

3 **Rimano® UNI**

Gray lightweight gypsum-based plaster, with perlite additive, intended for mechanized interior application, in 5 mm - 40 mm layer. Mechanized application.

4 **Rigips® SUPER TOP**

White, gypsum-based ultra-fine finishing plaster designed for finishing plasterboard surfaces, as well as pre-leveled interior walls and ceilings (interior plasters or base coats) applied mechanically (with airless pumps) or manually in thicknesses up to 1 mm, in one or more layers.

5 Substrate - reinforced concrete slab.

6 **Rimano® TEN**

Lightweight gypsum-based plaster with thermal insulating properties for leveling interior walls and ceilings, applied by hand in thicknesses from 5 mm to 40 mm.

7 **Rigips® PRIME**

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

8 Washable paint for protection and decoration of interior surfaces.

9 **PLANISTAR® SUN PLUS & PLANISTAR® SUN PLUS II**
Glass designed for maximum transparency, very low solar factor and excellent thermal insulation coefficient.

STADIP®/ STADIP® PROTECT

Laminated safety/security glass.

Laminated safety glass offers:

- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection

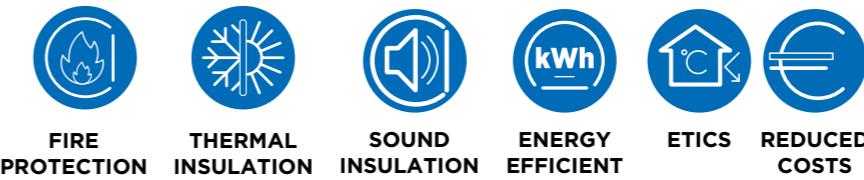


EPD only for the following products: Rimano® UNI; Rimano® TEN; STADIP®



SeRN 01

Thermal insulation of exterior walls in composite system with mineral wool



- 1 Substrate - brick masonry wall.
- 2 weber KL15
Brick masonry mortar. Gray cement-based powder with quartz sand and synthetic resins. Easy to work with, offering high compressive strength and good adhesion to the substrate.
- 3 weber BC25
Mechanized cement-based plaster. Gray cement-based powder with mineral additives and synthetic resins. High strength, good adhesion, fine-grained. Mechanized application.
- 4 Isover PROFI FASSADE FIX
Cement-based, flexible, gray powder adhesive with high content of synthetic resins and reinforcing fiber.
- 5 Isover PROFI FASSADE / Isover FASSADE
Basalt mineral wool board with high mechanical performance, for ETICS systems.
- 6 Isover PROFI FASSADE ANCHOR PB
Polypropylene insulation dowel with metal pin for additional mechanical fastening of basalt mineral wool boards.
- 7 Isover PROFI FASSADE MESH
Fiberglass reinforcing mesh with increased strength in alkaline environment. Density: 160 g/sqm.
- 8 Isover PROFI FASSADE PRIME
Primer based on silicone dispersion with special additives and quartz sand.
- 9 Isover PROFI FASSADE DECOR
Decorative plaster for facades based on silicone dispersion, special additives and high quality pigments.



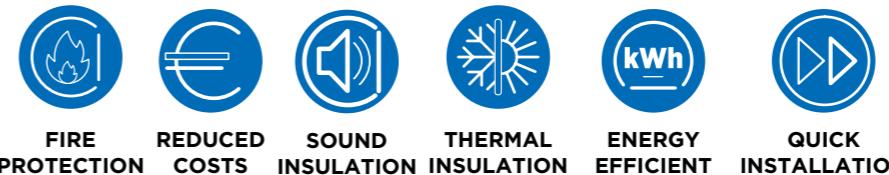
EPD only for the following products: Isover PROFI FASSADE FIX; Isover PROFI FASSADE



SeRN 02

SeRN 02

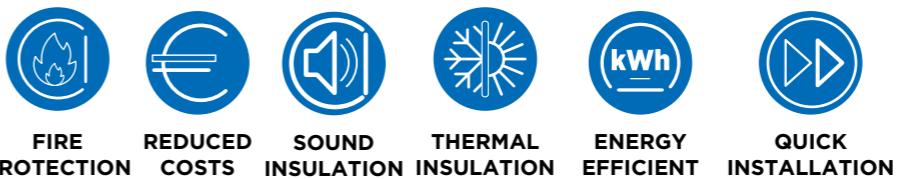
Lightweight façade design with Glasroc® X



- 1** Substrate - AAC masonry wall.
- 2** **weber PL25**
Masonry mortar for AAC. Gray cement-based powder with quartz sand and synthetic resins. Easy to work with, offering high adhesion to the substrate and masonry elements.
- 3** **Isover OPTI VENT NT**
Basalt mineral wool boards suitable for use in ventilated facade systems.
- 4** **Isover EASY ANCHOR NT + Isover ANCHOR XL 140**
Polypropylene insulation dowel with metal pin for additional mechanical fastening of basalt mineral wool boards. It can be used in combination with the Isover Anchor XL 140 flange.
- 5** **Glasroc® X**
Mineral board with a gypsum core containing special additives for low moisture absorption, wrapped in fiberglass felt. The cover is UV resistant and treated with a hydrophobic coating. The board is resistant to mold growth due to the lack of organic materials in its composition.
- 6** **weber R40 max²**
Professional-grade adhesive in powder form, based on white cement, with mineral additives and nylon fibers, and a high content of synthetic resins. With high adhesion to the substrate and thermal insulation boards.
- 7** **Isover PROFI FASSADE MESH**
Fiberglass reinforcing mesh with increased strength in alkaline environment.
Density: 160 g/sqm.
- 8** **webertherm prime**
Primer used to even out the water absorption of substrate and to obtain highly adhesive surfaces prior to the application of Weber decorative plasters
- 9** **webertherm silicon plus**
Ready-to-use, silicone decorative plaster in paste form for facades, based on silicone resins, containing natural raw materials and high-quality pigments. Available in 4 grits.



 EPD only for the following products: Glasroc®



1 Double-layer plasterboard installation (RB/RBI/RF/RFI).

2 Isover VARIO® KM DUPLEX UV
Vapor barrier membrane made of modified polyamide film. It is used to protect building elements from moisture and improve their airtightness.

3 Metal structure of the facade enclosure wall made of RIGIPS profiles, Rigidprofil® type.

4 Isover SP ESRC
Glass mineral wool for all types of thermal and sound insulation subject to low mechanical stress:

- specifically designed for external wall systems

5 DRAFTEX PROFI
Diffusion outdoor membrane for wind and water protection. Used with DRAFTEX TAPE adhesive tape

6 Glasroc® X
Mineral board with a gypsum core containing special additives for low moisture absorption, wrapped in fiberglass felt. The cover is UV resistant and treated with a hydrophobic coating. The board is resistant to mold growth due to the lack of organic materials in its composition.

7 weber R40 max²
Professional-grade adhesive in powder form, based on white cement, with mineral additives and nylon fibers, and a high content of synthetic resins. With high adhesion to the substrate and thermal insulation boards.

8 Isover PROFI FASSADE MESH
Fiberglass reinforcing mesh with increased strength in alkaline environment.
Density: 160 g/sqm.

9 webertherm prime
Primer used to even out the water absorption of substrate and to obtain highly adhesive surfaces prior to the application of Weber decorative plasters.

10 webertherm silicon plus
Ready-to-use, silicone decorative plaster in paste form for facades, based on silicone resins, containing natural raw materials and high-quality pigments. Available in 4 grits.

11 Reinforced concrete slab substrate

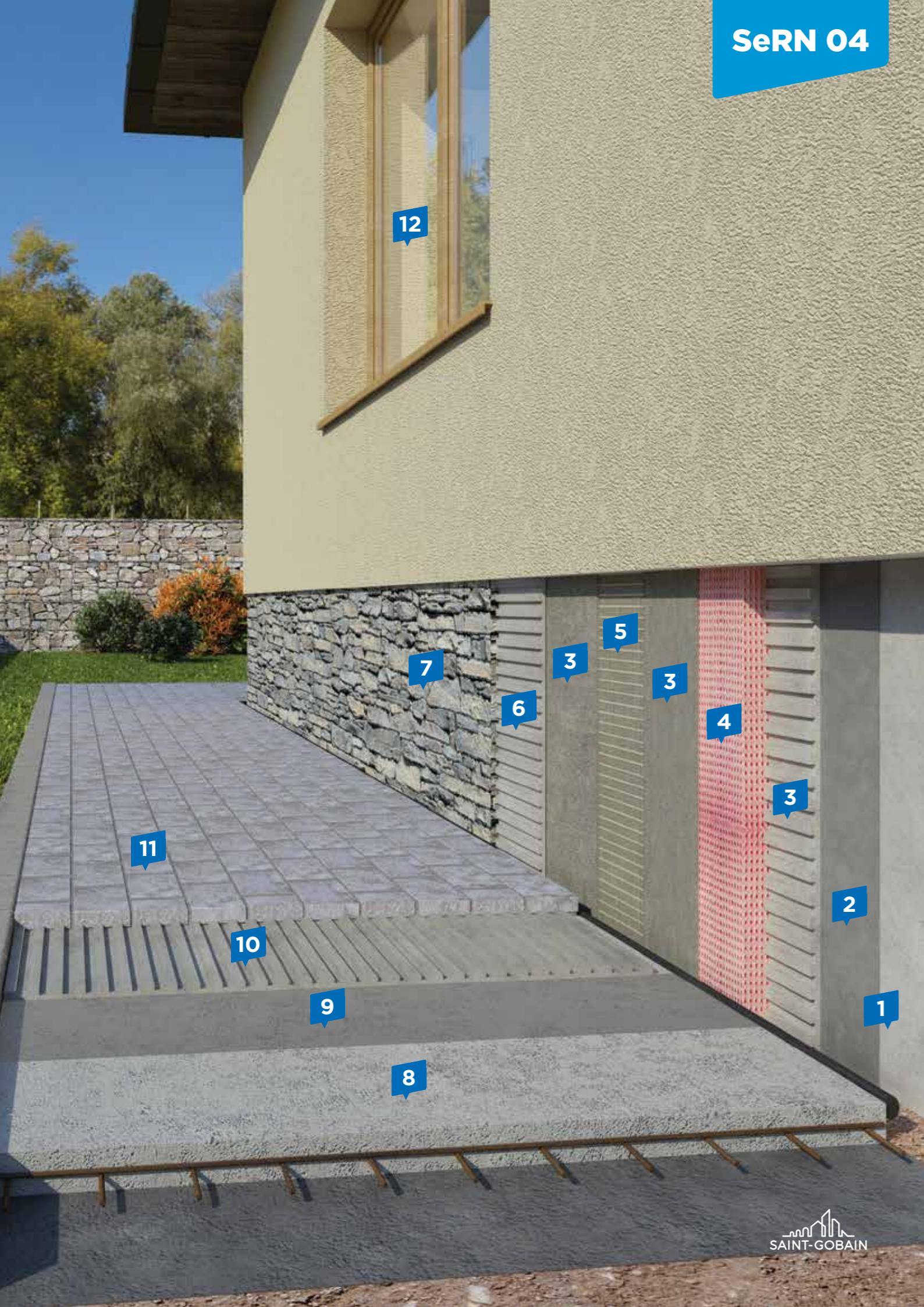
12 Isover PROFI FASSADE / Isover FASSADE
High tensile strength basalt mineral wool boards for ETICS systems.

13 PLANISTAR® SUN PLUS & PLANISTAR® SUN PLUS II
Glass designed for maximum transparency, very low solar factor and excellent thermal insulation coefficient.
STADIP® / STADIP® PROTECT
Laminated safety/security glass.
Laminated safety glass offers:

- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection



EPD only for the following products: Isover VARIO® KM Duplex UV; Glasroc® X; Isover PROFI FASSADE; STADIP®



SeRN 04

Thermal insulation and waterproofing of plinths (rainwater protection)



QUICK
INSTALLATION



MOISTURE
RESISTANCE



THERMAL
INSULATION



ENERGY
EFFICIENT

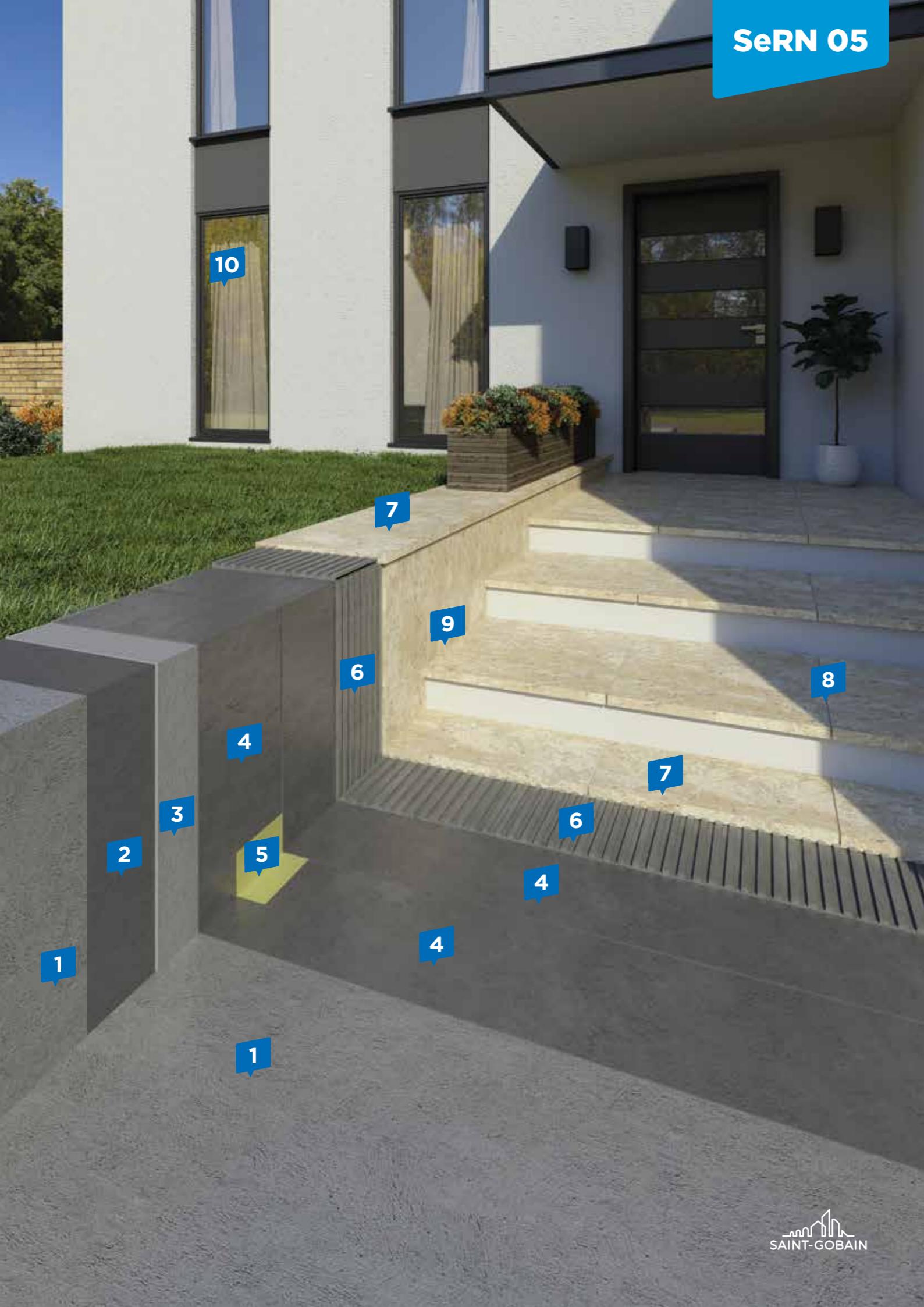


REDUCED
COSTS

- 1 Substrate - elevation (plinth) made of reinforced concrete.
- 2 **weber hydroprotect**
Cement-based, flexible, bi-component waterproofing slurry modified with a polymer emulsion. High elasticity. Flexible even at -20 degrees. Complete sealing against water. Resistant to cracking. Resistant to freeze-thaw cycles. Easy to apply.
- 3 **weber P50 max²**
Professional-grade, cement-based adhesive for extruded polystyrene and mineral wool, in the form of gray powder, with mineral additives and nylon fibers, with high content of synthetic resins. With high adhesion to critical substrates and thermal insulation boards.
- 4 **EXTRUDED POLYSTYRENE XPS**
Thermal insulation made of rigid sheets of extruded polystyrene XPS foam.
- 5 **webertherm mesh**
Fiberglass reinforcing mesh with increased strength in alkaline environment.
Density: 145 g/sqm.
- 6 **weberset marmo plus**
Flexible white adhesive for marble and natural stone. It is a flexible, professional-grade, adhesive in powder form, based on white cement, with mineral additives and synthetic resins, applicable in a thin layer. Does not affect the color of the cladding.
- 7 Natural or artificial stone plinth finish.
- 8 Substrate - lightly reinforced concrete guard pavement.
- 9 **weberprime bond**
Ready-mixed, concentrated universal primer, used to even out the water absorption of substrate in order to obtain high adhesion surfaces.
- 10 **weberset stone**
Professional-grade adhesive in powder form, based on white cement, with mineral additives and synthetic resins, applicable in a thin and medium thickness layer. For walls and floors. Does not affect the color of the cladding.
- 11 Finishing - guard pavement with artificial stone slabs.
- 12 **PLANISTAR[®] SUN PLUS & PLANISTAR[®] SUN PLUS II**
Glass designed for maximum transparency, very low solar factor and excellent thermal insulation coefficient.
STADIP[®] / STADIP[®] PROTECT
Laminated safety/security glass.
Laminated safety glass offers:
 - protection against the risk of people falling through voids
 - protection against vandalism and burglary
 - UV protection



EPD only for the following products: weberset marmo plus; STADIP[®]



1 Substrate - reinforced concrete parapet/slab.

2 **weberprime kontakt plus**
Ready-mixed professional contact primer, used to even out the water absorption of substrate in order to obtain highly adhesive surfaces.

3 **weber BC15**
Cement-based plastering and leveling mortar. Gray cement-based powder with mineral additives and synthetic resins. High strength, good adherence, easy to work with. Manual application.

4 **weber hydroprotect**
Cement-based, flexible, bi-component waterproofing slurry modified with a polymer emulsion. High elasticity. Flexible even at -20 degrees. Complete sealing against water. Resistant to cracking. Resistant to freeze-thaw cycles. Easy to apply.

5 **webertec max tape**
Sealing tapes for waterproofing systems. Roll length: 50 m. Provides a complete seal in critical areas against the action of water. High elasticity.

6 **weberset superflex max²**
Gray cement-based, flexible powder adhesive for critical surfaces, with mineral additives, reinforcing fibers and synthetic resins, applicable in a thin layer (up to 10 mm). Also recommended for large tiles format.

7 Ceramic tiles/natural stone.

8 **webercolor design**
Flexible joint filler for interior and exterior use, resistant to water, mold, mildew and dirt. For joint widths between 1 and 8 mm.

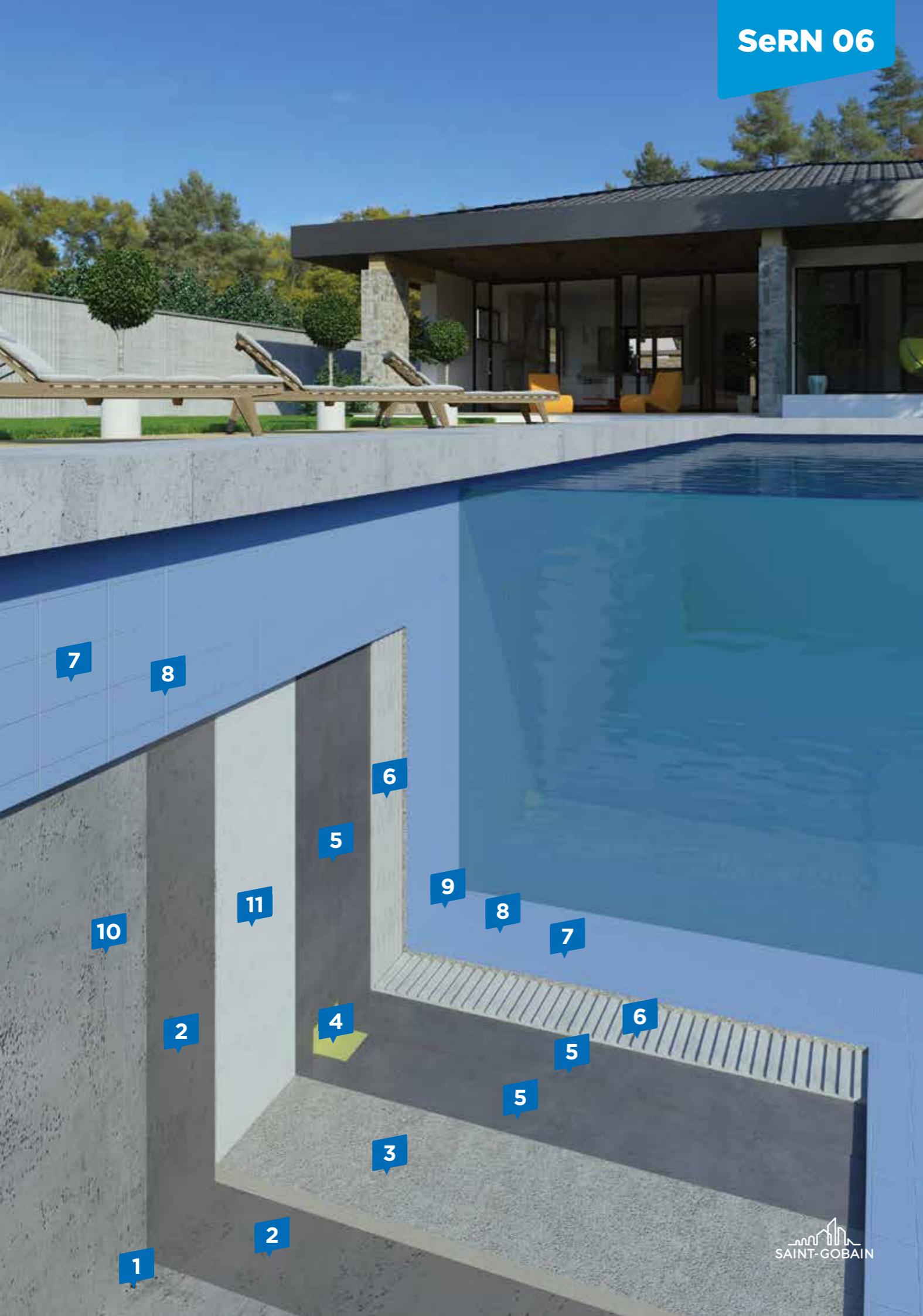
9 **webercolor SIL**
Mold-resistant acetic silicone sealant for joints and seams.

10 **PLANISTAR® SUN PLUS & PLANISTAR® SUN PLUS II**
Glass designed for maximum transparency, very low solar factor and excellent thermal insulation coefficient.

STADIP® / STADIP® PROTECT
Laminated safety/security glass.
Laminated safety glass offers:

- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection





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SAINT-GOBAIN

1

MOISTURE
RESISTANCEEASY TO
INSTALLSELF CLEANSING
EFFECTAPPLICABLE
ON MINERAL
WATERPROOFING

1 Flooring substrate - reinforced concrete slab.

2 **weberprime kontakt plus**
Ready-mixed professional contact primer, used to even out the water absorption of substrate in order to obtain highly adhesive surfaces.

3 **weber D10**
Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. Applicable in thicknesses of 20-50 mm. Recommended to be reinforced.

4 **webertec max tape**
Sealing tapes for waterproofing systems. Roll length: 50 m. Provides a complete seal in critical areas against the action of water. High elasticity.

5 **weber hydroprotect**
Cement-based, flexible, bi-component waterproofing slurry modified with a polymer emulsion. High elasticity. Flexible even at -20 degrees. Complete sealing against water. Resistant to cracking. Resistant to freeze-thaw cycles. Easy to apply.

6 **weberset superflex max²**
Gray cement-based, flexible powder adhesive for critical surfaces, with mineral additives, reinforcing fibers and synthetic resins, applicable in a thin layer (up to 10 mm). Also recommended for large tiles format.

7 Ceramic tiles

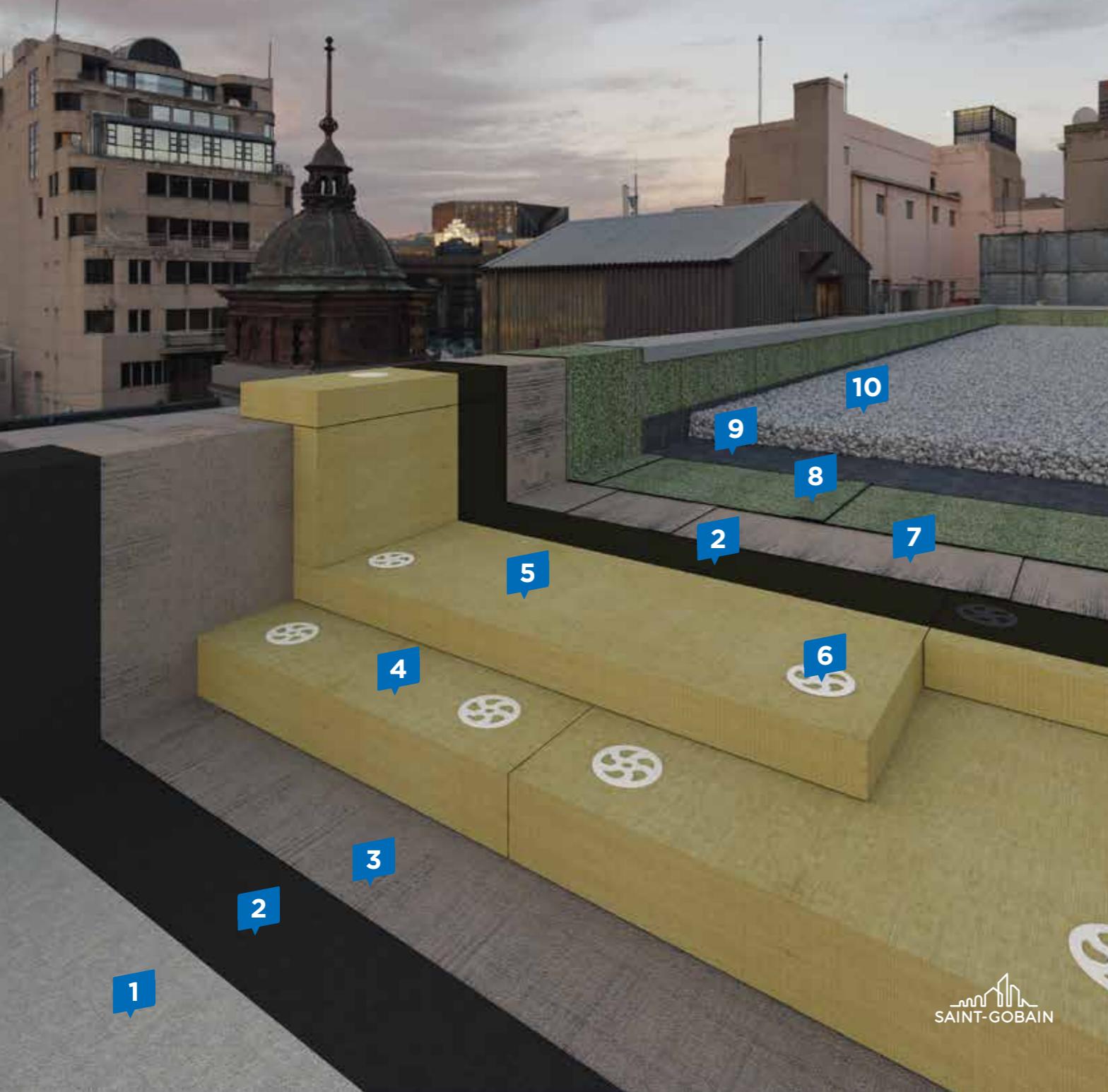
8 **webercolor design**
Flexible joint filler for interior and exterior use, resistant to water, mold, mildew and dirt. For joint widths between 1 and 8 mm.

9 **webercolor SIL**
Mold-resistant acetic silicone sealant for joints and seams.

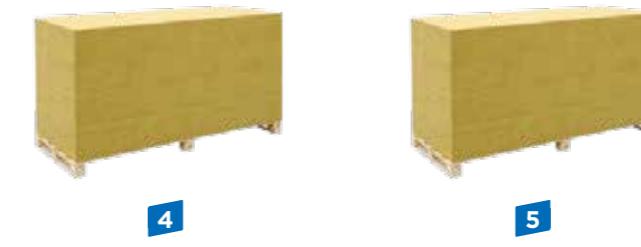
10 Substrate - reinforced concrete wall.

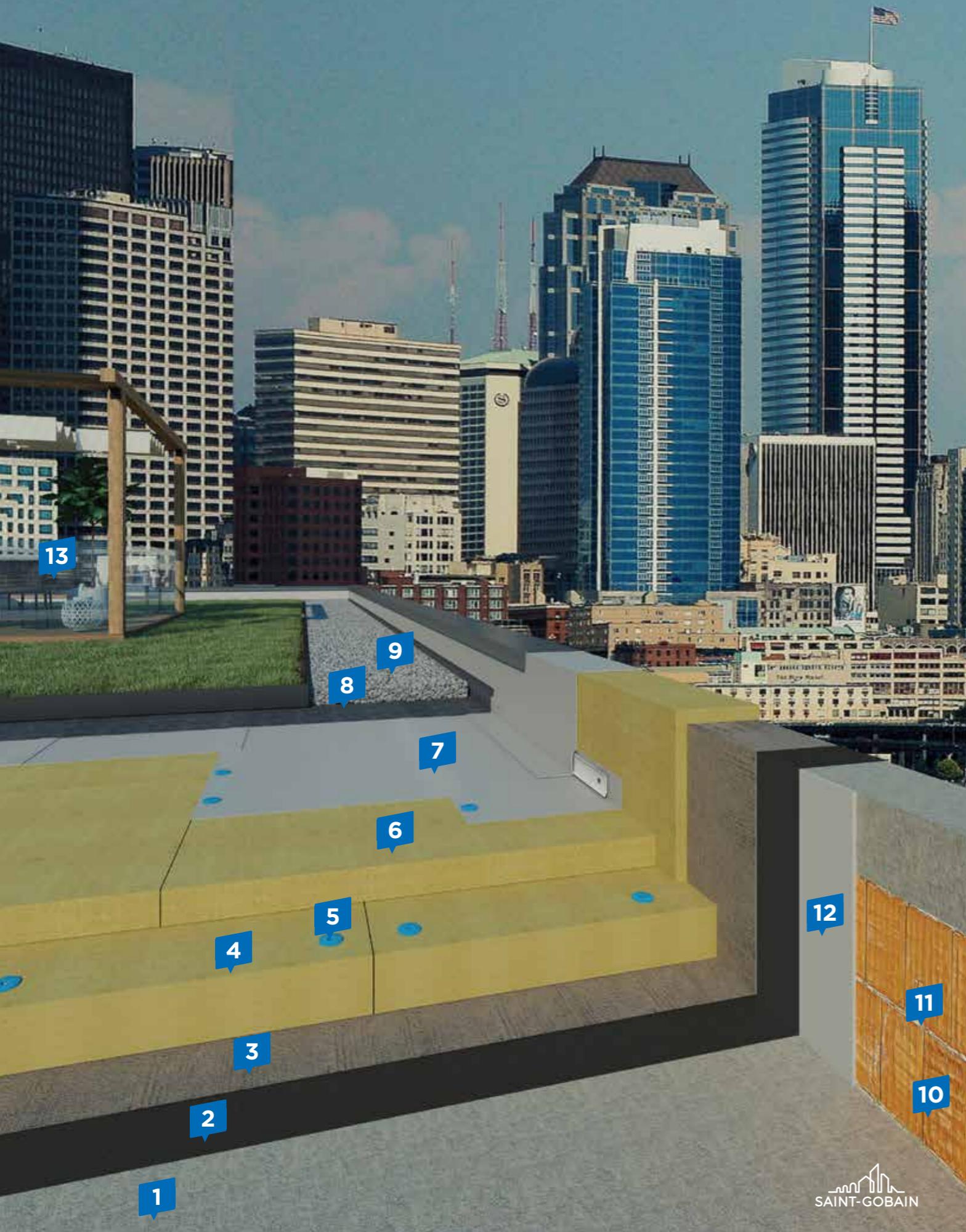
11 **weber BC25**
Mechanized cement-based plaster. Gray cement-based powder with mineral additives and synthetic resins. High strength, good adhesion, fine-grained. Mechanized application.





- 1** Substrate - slope concrete + reinforced concrete slab.
- 2** **BITUMINOUS PRIMER**
Primer based on bituminous emulsion and solvents. Easy to apply.
- 3** **VAPOR BARRIER**
Vapor barrier made of bituminous membrane reinforced with aluminum foil.
- 4** **Isover PROFI TERRASSE T**
Thermal insulation made of basalt mineral wool boards. Designed for thermal insulation, sound insulation and fire protection of roof terraces. It can be installed as base, middle or top layer in combination with other products from the PROFI TERRASSE range
- 5** **Isover PROFI TERRASSE S**
Thermal insulation made of basalt mineral wool boards. Designed for thermal insulation, sound insulation and fire protection of roof terraces. It can be installed as top or middle layer over other products from the PROFI TERRASSE range.
- 6** ANCHORS for fastening thermal insulating layers.
- 7** **FIRST LAYER of BITUMINOUS MEMBRANE**
First waterproofing layer of bituminous membrane, finished with sand or talc.
- 8** **FINAL LAYER of BITUMINOUS MEMBRANE**
Final waterproofing layer of bituminous membrane, finished with slate grains, providing UV protection.
- 9** Geotextile separation and protection layer.
- 10** Final ballast layer of washed gravel.





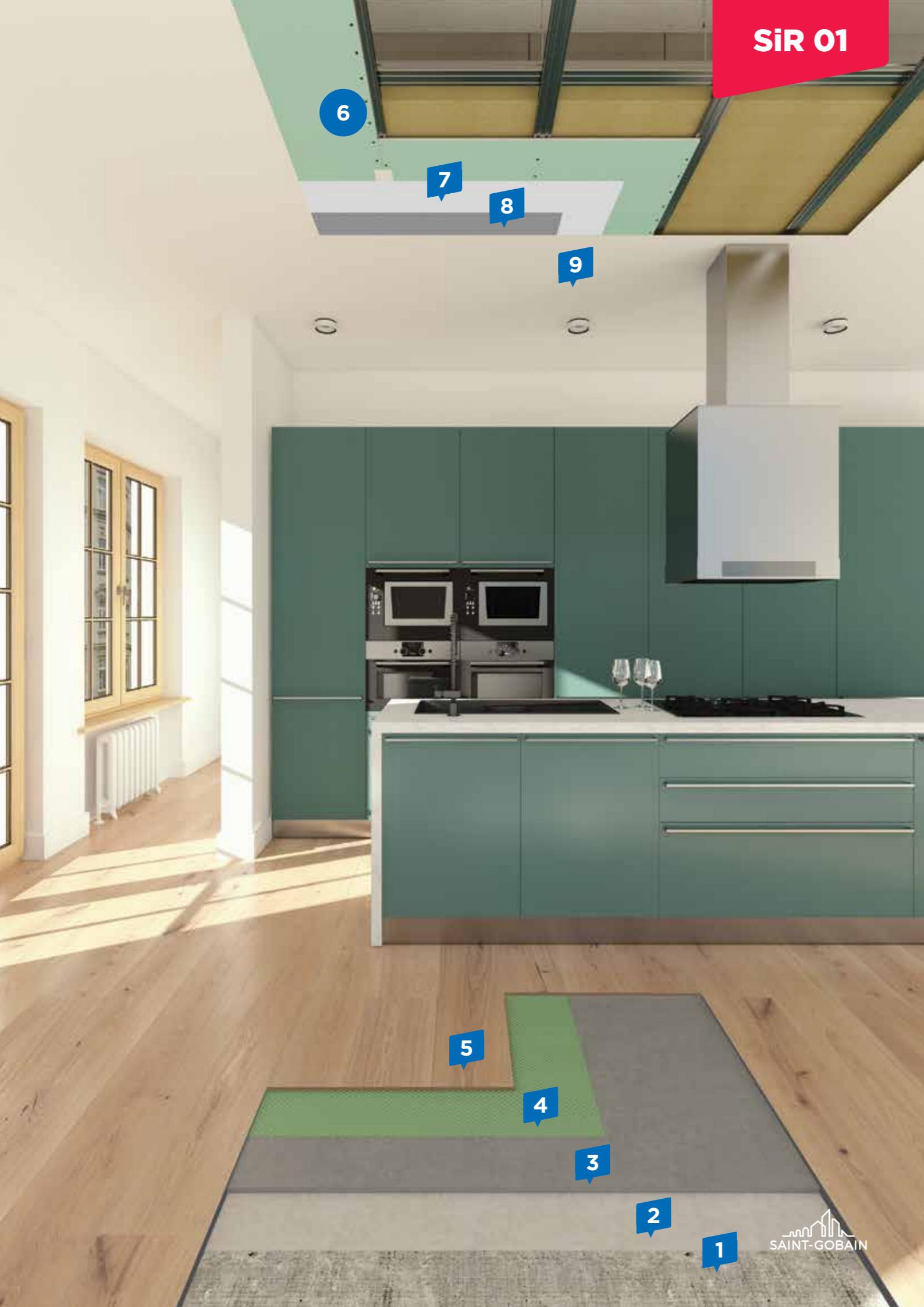
- 1 Substrate - slope concrete + reinforced concrete slab.
- 2 **BITUMINOUS PRIMER**
Primer based on bituminous emulsion and solvents. Easy to apply.
- 3 **VAPOR BARRIER**
Vapor barrier made of bituminous membrane reinforced with aluminum foil.
- 4 **Isover PROFI TERRASSE S-i**
Thermal insulation made of basalt mineral wool boards. Designed for thermal insulation, sound insulation and fire protection of roof terraces. It can be installed as base, middle or top layer in combination with other products from the PROFI TERRASSE range.
- 5 ANCHORS for fastening thermal insulating layers.
- 6 **Isover PROFI TERRASSE S**
Thermal insulation made of basalt mineral wool boards. Designed for thermal insulation, sound insulation and fire protection of roof terraces. It can be installed as top or middle layer over other products from the PROFI TERRASSE range.
- 7 PVC waterproofing membrane
- 8 Geotextile separation and protection layer.
- 9 Final ballast layer of washed gravel.
- 10 Substrate - parapet made of brick masonry.
- 11 **weber KL15**
Brick masonry mortar. Gray cement-based powder with quartz sand and synthetic resins. Easy to work with, offering high compressive strength and good adhesion to the substrate.
- 12 **weber BC15**
Cement-based plastering and leveling mortar. Gray cement-based powder with mineral additives and synthetic resins. High strength, good adherence, easy to work with. Manual application.
- 13 **STADIP® / STADIP® PROTECT**
Laminated safety/security glass.
Laminated safety glass offers:
 - protection against the risk of people falling through voids
 - protection against vandalism and burglary
 - UV protection



EPD only for the following products: STADIP®



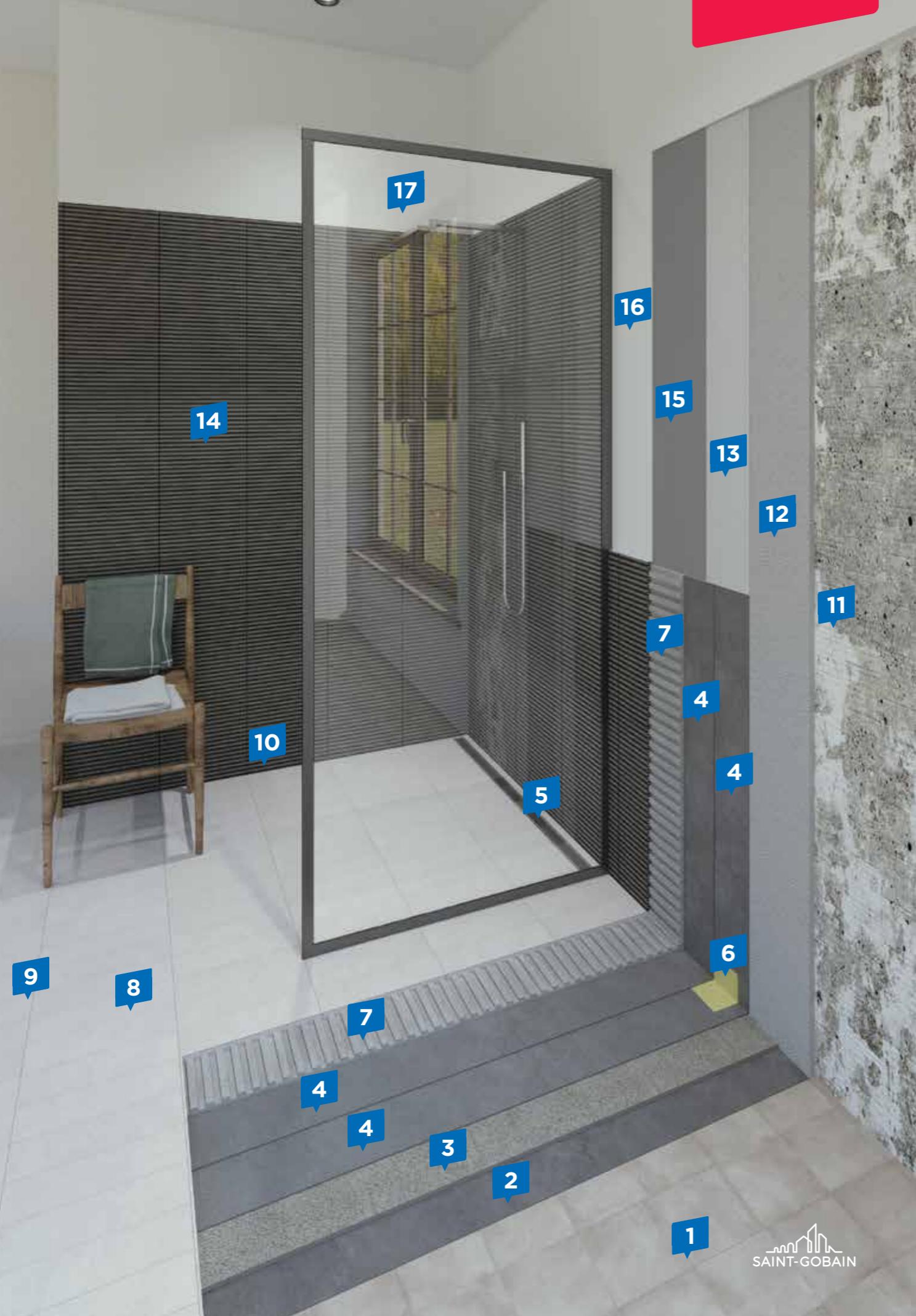
*2. Renovation
solutions*

FLOOR
THICKNESSQUICK
INSTALLATIONEASY TO
INSTALLTHERMAL
COMFORTREDUCED
COSTS

SiR 01

Refurbishment of existing floor
and suspended ceiling

EPD only for the following products: RB/RBI boards; Rigips® SUPER



SELF
CLEANSING
EFFECT



APPLICABLE
ON MINERAL
WATERPROOFING



WATERPROOF



WET
SURFACE



REDUCED
COSTS



EASY TO
APPLY

1 Substrate - old flooring with existing ceramic finish, properly prepared.

2 **weberprime kontakt plus**

Ready-mixed professional contact primer, used to even out the water absorption of substrate in order to obtain highly adhesive surfaces.

3 **weberplan profi**

Cement-based self-leveling screed with reinforcing fibers and synthetic resin content. It has increased adherence and spreads easily. After curing it provides a flat, hard, smooth surface. Applicable in 2-10 mm thickness.

4 **webertec hydroprotect easy**

Ready-mixed, single-component waterproofing paste for continuous sealing of interior spaces, applied by paint brush, roller or whitewash brush. After drying, it creates a thin membrane with very high flexibility, which waterproofs surfaces that are occasionally subjected to the action of water (it is applied on an absorbent substrate that has been previously primed with WEBERPRIME BOND).

5 Drainage element (floor drain).

6 **webertec max tape**

Sealing tapes for waterproofing systems. Roll length: 50 m. Provides a complete seal in critical areas against the action of water. High elasticity.

7 **weberset EX25 max²**

Adhesive for indoor and outdoor ceramic tiles in the form of gray cement-based powder, with mineral additives and synthetic resins, applicable in a thin layer. Manufactured with innovative "No Dust" technology. Applied in a layer of up to 10 mm.

8 Porcelain tiles.

9 **webercolor design**

Flexible joint filler for interior and exterior use, resistant to water, mold, mildew and dirt. For joint widths between 1 and 8 mm.

10 **webercolor SIL**

Mold-resistant acetic silicone sealant for joints and seams.

11 Substrate - old plaster.

12 **weber BC15**

Cement-based plastering and leveling mortar. Gray cement-based powder with mineral additives and synthetic resins. High strength, good adherence, easy to work with. Manual application.

13 **weber BM15-W**

White powder based on white cement with mineral additives and synthetic resins. Easy to work with, offering increased strength and good adhesion to the substrate. For manual application.

14 Ceramic tiling.

15 **Rigips[®] PRIME**

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

16 Washable paint for protection and decoration of interior surfaces.

17 **TIMELESS[®]**

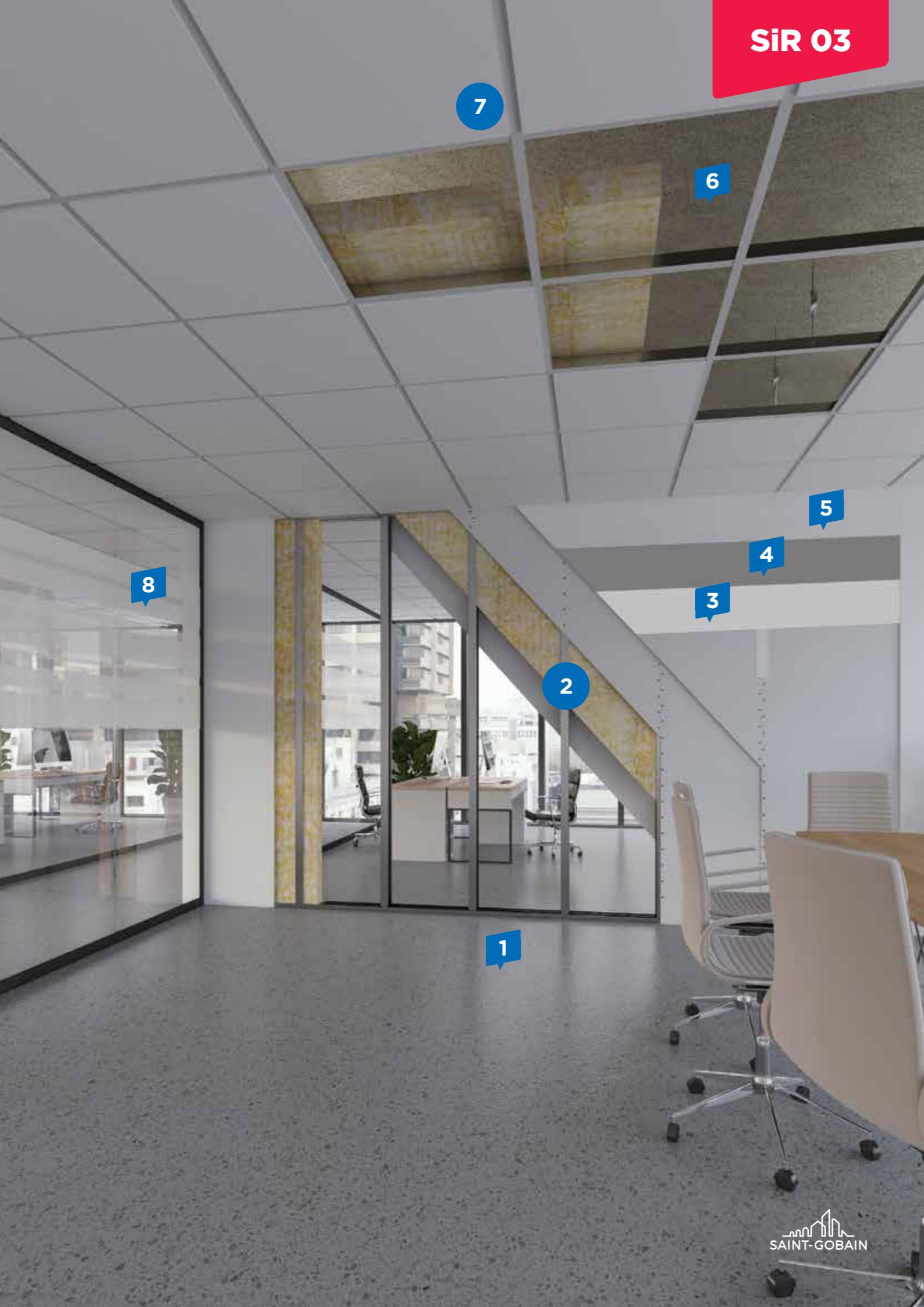
- glass designed for shower enclosures and bath panels, obtained by means of high-performance, almost invisible magnetron deposition on the supporting glass - PLANICLEAR[®]

Benefits offered:

- a very transparent glass
- protects against corrosion
- dirt and limescale cannot adhere to its surface, the glass retains its clear, clean appearance over time with minimal effort



EPD only for the following products: weberplan profi



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SAINT-GOBAIN

EASY TO
APPLYQUICK
INSTALLATIONCOST-
EFFECTIVETHERMAL
COMFORTSOUND
INSULATION

SiR 03

Repartitioning of spaces with
plasterboards walls. Refurbishment
with ceiling tiles

1 Substrate - existing flooring.

2 Partition walls with Rigips® plasterboards - code 3.40.05 RB

Non-bearing partition wall on single metal structure UW/CW 75, composed of:

- Rigiprofil® UW75 guide rail + Rigips sealing tape
- Rigiprofil® CW75 upright profile
- Isover AKUSTO 50 mm mineral wool
- RB/RBI plasterboard (double-layer installation)
- Rigips self-tapping screws
- Rigips joint reinforcement tape
- Rigips® SUPER joint filler

3 Rigips® PROMIX FINISH PLUS

Ready-mixed surface-finishing paste for interior use as a finishing coat before painting with washable paints or wallpapering.

4 Rigips® PRIME

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

5 Washable paint for protection and decoration of interior surfaces.

6 Substrate - existing reinforced concrete slab

7 Demountable suspended ceiling with ceiling tiles, on metal structure of T-profiles - code 4.07.50:75

Demountable suspended ceiling under reinforced concrete slab, made on metal structure of T-profiles and composed of:

- Quick-Lock perimeter profile
- Quick-Lock T24/38 main profile
- Quick-Lock T24/38 secondary profile
- Quick-Lock T24/38 partitioning profile
- Hanger system - Rigips eye rod
- Rigips rod extender
- Hanger rod with hook - Rigips
- Isover AKUSTO 50 mm mineral wool (optional*)
- Plasterboard ceiling tiles in the Gyptone® range - 600 x 600 mm

8 DIAMANT®

Extra-clear float glass partition walls. DIAMANT® is a type of extra-clear, highly transparent glass with a low iron oxide content.

This characteristic gives the glass a higher light transmission than a clear PLANICLEAR® glass, as well as a lighter, more visible tint, especially on the edge. It is the ideal glass for interior partitions, as the transmission of natural light helps reduce artificial lighting costs.



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EPD only for the following products: RB/RBI boards; Isover AKUSTO; Rigips® SUPER; Gyptone® ceiling tiles; DIAMANT®



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CRACK
RESISTANCEEASY TO
APPLYMECHANICAL
RESISTANCEVAPOR
PERMEABLEREDUCED
COSTS

SiR 04

Repair and refurbishment of walls and ceilings using gypsum-based plasters and skim coats

1 Substrate - existing wall with old plaster, suitably prepared for new finishes and repairs.

2 **Rimano® BIANCO**

Gypsum-based base coat and leveling plaster for indoor mechanized (airless pumps) or manual application. For leveling interior surfaces covered with plasters based on cement, cement-sand, gypsum, as well as for renovation and repair work (filling holes, covering burrs, etc.).

3 **Rigips® SUPER TOP**

White, gypsum-based ultra-fine finishing plaster designed for finishing plasterboard surfaces, as well as pre-leveled interior walls and ceilings (interior plasters or base coats) applied mechanically (with airless pumps) or manually in thicknesses up to 1 mm, in one or more layers.

4 Substrate - existing ceiling with old plaster, suitably prepared for new finishes.

5 **Rigips® PRIME**

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

6 Washable paint for protection and decoration of interior surfaces.



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SiR 05



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SAINT-GOBAIN



EPD only for the following products: ECOPHON FADE DUO, STADIP®



EASY TO APPLY



THERMAL COMFORT



SOUND INSULATION



REDUCED COSTS



COMFORT

SiR 05

Refurbishment of ceiling by acoustic treatment application for improving interior comfort of an apartment.
Floor refinishing

1 PLANISTAR SUN PLUS & PLANISTAR SUN PLUS II

Glass designed for maximum transparency, very low solar factor and excellent thermal insulation coefficient.

STADIP® / STADIP® PROTECT

Laminated safety/security glass.

Laminated safety glass offers:

- protection against the risk of people falling through voids;
- protection against vandalism and burglary;
- UV protection.

2 Substrate - existing reinforced concrete ceiling properly prepared, repaired and leveled with plastering mortar.

3 FADE DUO

Monolithic acoustic solutions applied in continuous field, based on glass mineral wool boards. Fade® DUO can be installed on almost any surface, including straight and curved ceilings, dramatic angles and arched domes.

- Quick to install
- Easy to repair

Basically, the system consists of:

- FADE acoustic panel (variable thickness)
- FADE mechanical fastening system (with screw and special washer)
- Ecophon FADE special joint tape
- FADE DUO PRIMER special primer
- FADE DUO TOP acoustic plaster

4 weber BC15

Cement-based plastering and leveling mortar. Gray cement-based powder with mineral additives and synthetic resins. High strength, good adherence, easy to work with. Manual application.

5 Substrate - existing reinforced concrete slab.

6 Isover T-P

Insulation made of rigid sheets of hydrophobized, basalt mineral wool with thermal and sound insulation capabilities and CP2 compressibility.

7 Polyethylene film to protect against the cement laitance that may form when pouring the leveling screed.

8 weber D10

Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. Applicable in thicknesses of 20-50 mm. Recommended to be reinforced.

9 weberprime bond

Ready-mixed, concentrated universal primer, used to even out the water absorption of substrate in order to obtain high adhesion surfaces.

10 weberfloor home

Quick self-leveling screed. Mortar based on mineral binders and modified polymers, with additives, which give it optimal leveling properties without the risk of shrinkage. Applied in thicknesses of 2-30 mm.

11 Substrate for floating floor made of three-layer parquet (PU + PET film).

12 Three-layer parquet.





SeR 01

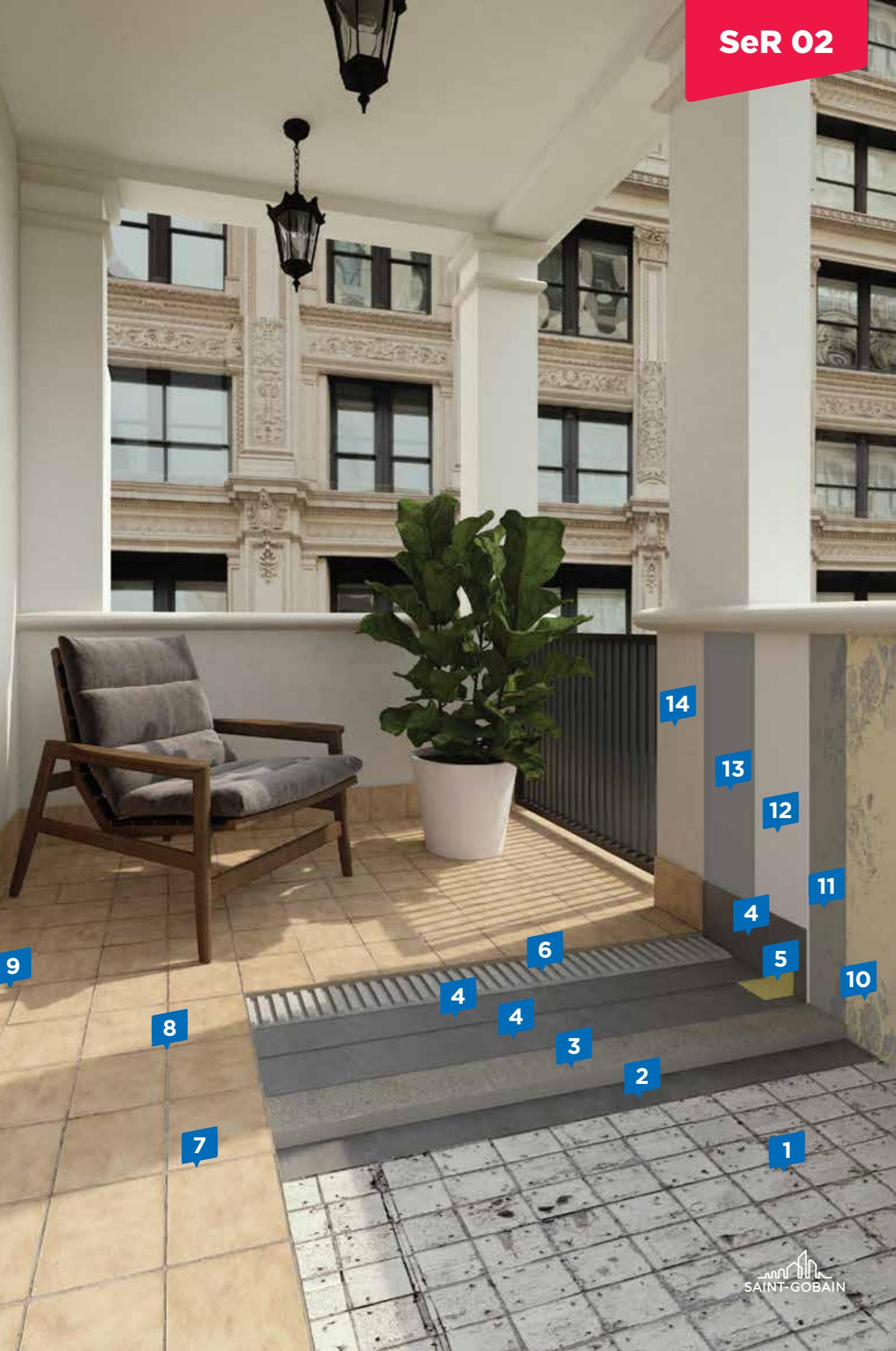
Thermal insulation of exterior walls in
EPS composite system



- 1** Substrate - existing wall with repaired and properly leveled plaster using WEBER plastering and leveling mortar - e.g. weber BC15.
- 2** **weberprime bond**
Ready-mixed, concentrated universal primer, used to even out the water absorption of substrate in order to obtain high adhesion surfaces.
- 3** **weber P39 max²**
Gray cement-based powder adhesive with mineral additives and synthetic resins. With high adhesion to substrate and to expanded polystyrene (EPS-F) or graphitized polystyrene boards.
- 4** Thermal insulating boards made of POLYSTYRENE EPS80 (normal or graphite)
- 5** **webertherm anchor**
Universal dowel with plastic nail for fixing polystyrene (EPS, XPS) on all types of mineral substrates.
- 6** **webertherm mesh**
Fiberglass reinforcing mesh for reinforcing ETICS thermal insulation systems based on expanded polystyrene and graphite polystyrene, or for reinforcing plasters applied directly on masonry elements.
- 7** **webertherm prime**
Primer used to even out the water absorption of substrate and to obtain highly adhesive surfaces prior to the application of Weber decorative plasters.
- 8** **webertherm silicon plus**
Ready-to-use, silicone decorative plaster in paste form for facades, based on silicone resins, containing natural raw materials and high-quality pigments. Available in 4 grits.



EPD only for the following products: weber P39 max²


EASY TO INSTALL

**APPLICABLE ON
MINERAL
WATERPROOFING**

WATERPROOF

**SELF
CLEANSING
EFFECT**

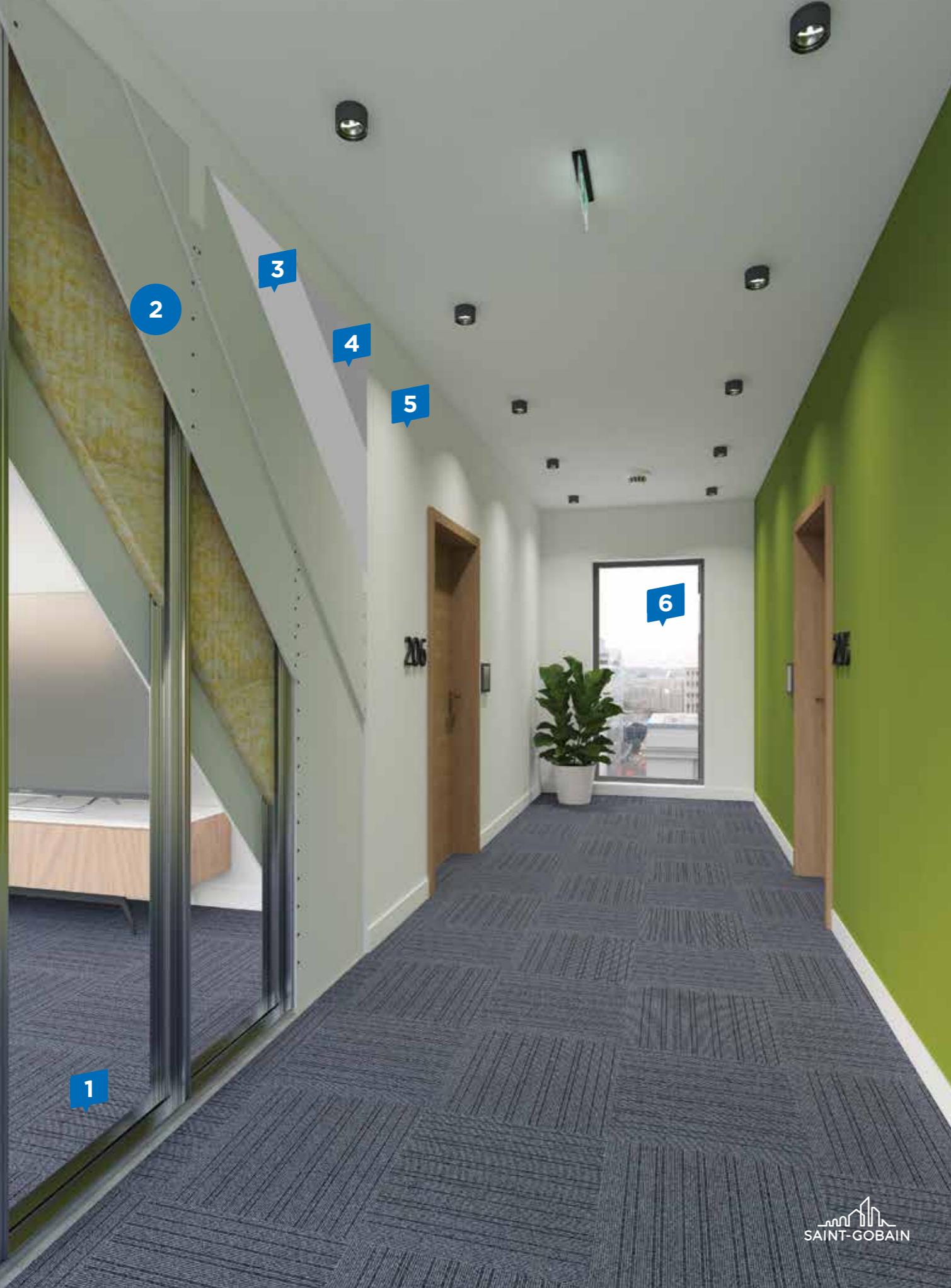
**REDUCED
COSTS**

- 1 Substrate - old flooring - stripped and properly prepared.
- 2 In the case of bonded screeds, in order to obtain surfaces with increased adhesive strength and to even out the water absorption, the substrate must be moistened or, if necessary, a bonding primer must be applied (please consult the technical department depending on the case).
- 3 **weber D10**
Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. Applicable in thicknesses of 20-50 mm. Recommended to be reinforced.
- 4 **weber hydroprotect**
Cement-based, flexible, bi-component waterproofing slurry modified with a polymer emulsion. High elasticity. Flexible even at -20 degrees. Complete sealing against water. Resistant to cracking. Resistant to freeze-thaw cycles. Easy to apply.
- 5 **webertec max tape**
Sealing tapes for waterproofing systems. Roll length: 50 m. Provides a complete seal in critical areas against the action of water. High elasticity.
- 6 **webercol pro white**
Gray cement-based, flexible powder adhesive for critical surfaces, with mineral additives, reinforcing fibers and synthetic resins, applicable in a thin layer (up to 10 mm). Also recommended for large tiles.
- 7 New ceramic tile finish.
- 8 **webercolor design**
Flexible joint filler for interior and exterior use, resistant to water, mold, mildew and dirt. For joint widths between 1 and 8 mm.
- 9 **webercolor SIL**
Mold-resistant acetic silicone sealant for joints and seams.
- 10 Substrate - old plaster, properly prepared.
- 11 **weberprime bond**
Ready-mixed, concentrated universal primer, used to even out the water absorption of substrate in order to obtain high adhesion surfaces.
- 12 **weber BM15-W**
White powder based on white cement with mineral additives and synthetic resins. Easy to work with, offering increased strength and good adhesion to the substrate. For manual application.
- 13 **weberton prime**
Concentrated universal primer based on special organic dispersion for absorbent surfaces.
- 14 **weberton vivid**
Washable paint for protecting and decorating exterior surfaces.





3. Solutions for
hotels



1 Substrate - reinforced concrete slab/reinforced cementbased screed.

2 **Partition walls with
Rigips plasterboards - code 3.41.01-03 RB**

Non-bearing partition wall on double metal structure UW/CW 50, composed of:

- Rigiprofil® UW50 guide rail + Rigips sealing tape
- Rigiprofil® CW50 upright profile + Rigips sealing tape
- Isover AKUSTO 50 mm mineral wool
- RB/ RBI plasterboard (double-layer installation)
- Rigips self-tapping screws
- Rigips joint reinforcement tape
- Rigips® SUPER joint filler

3 **Rigips® SUPER TOP**

White, gypsum-based ultra-fine finishing plaster designed for finishing plasterboard surfaces, as well as pre-leveled interior walls and ceilings (interior plasters or base coats) applied mechanically (with airless pumps) or manually in thicknesses up to 1 mm, in one or more layers.

4 **Rigips® PRIME**

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

5 Washable paint for protection and decoration of interior surfaces.

6 **COOL-LITE® XTREME**

Three-layer Ag glass with the highest selectivity on the market. Products in this range offer the maximum ratio between sunlight and protection against overheating. This has the following benefits:

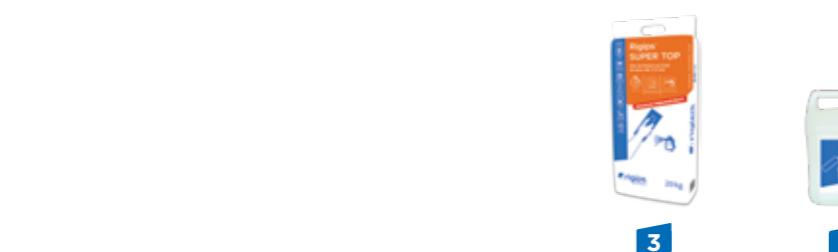
- advanced thermal insulation
- solar control - reflects much of the sun's energy
- high daylight transmission
- neutral and modern exterior aesthetic
- from the inside, reproducing ambient colors close to unobstructed view

STADIP® / STADIP® PROTECT

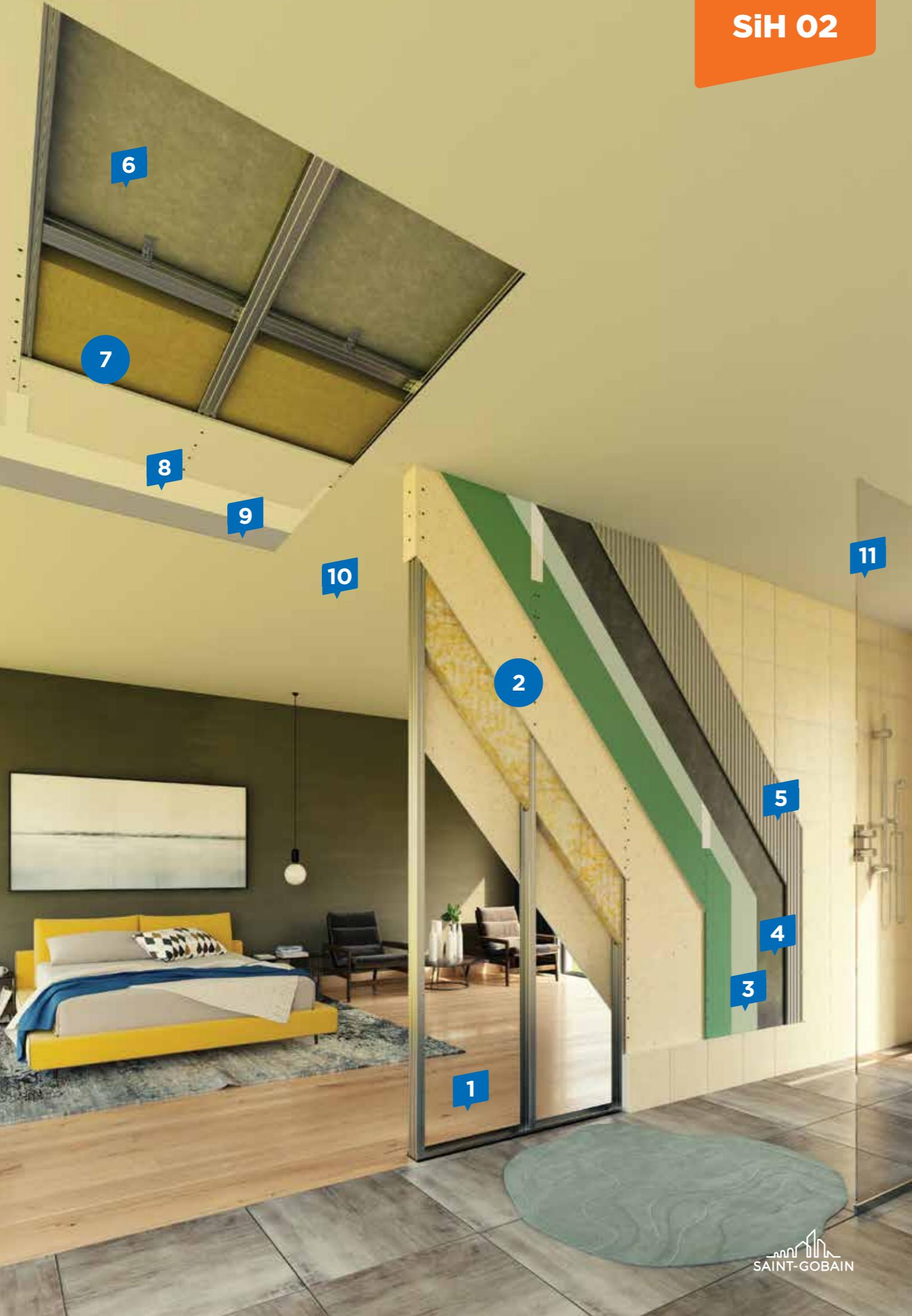
Laminated safety/security glass.

Laminated safety glass offers:

- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection.



EPD only for the following products: RB/RBI boards; Isover AKUSTO; Rigips® SUPER; Gyptone® ceiling tiles; STADIP®



1 Substrate - reinforced concrete slab

2 Partition walls with Rigips plasterboard and Rigidur® H board - code 3.62.15 ST

Non-bearing partition wall on single metal structure UW/CW 75, composed of:

- Rigiprofil® UW75 guide rail + Rigips sealing tape
- Rigiprofil® CW75 upright profile
- Isover AKUSTO 50 mm mineral wool (optional)
- Rigidur® H 12.5 mm fiber gypsum boards
- RBI 12.5 mm plasterboard
- Rigidur® self-tapping screws
- Rigips joint reinforcement tape
- Rigips® VARIO joint filler
- Rigips® Super joint paste

3 weberprime bond

Ready-mixed, concentrated universal primer, used to even out the water absorption of substrate in order to obtain high adhesion surfaces.

4 webertec hydroprotect easy

Ready-mixed, single-component waterproofing paste for continuous sealing of interior spaces, applied by paint brush, roller or whitewash brush. After drying, it creates a thin membrane with very high flexibility, which waterproofs surfaces that are occasionally subjected to the action of water.

5 weberset EX25 max²

Adhesive for indoor and outdoor ceramic tiles in the form of gray cement-based powder, with mineral additives and synthetic resins, applicable in a thin layer. Manufactured with innovative "No Dust" technology. Applied in a layer of up to 10 mm.

6 Substrate - reinforced concrete slab (ceiling)

7 Non-demountable suspended ceiling with Rigips® Activ' Air plasterboard - code 4.05.24 RB Activ'Air ST

Non-demountable suspended ceiling under concrete slab, made on double metal structure placed in different planes, composed of:

- Rigiprofil® UD28 guide rail + Rigips sealing tape
- Rigiprofil® CD60 carrier profile
- Rigiprofil® CD60 mounting profile
- Double cross connector for CD profiles
- Hanger system Rigips rod and anchor
- Rigips® Activ' Air 12.5 mm plasterboard (single-layer installation)
- Rigips self-tapping screws for plasterboard
- Rigips joint reinforcement tape
- Rigips® SUPER joint filler

8 Rigips® PROMIX FINISH PLUS

Ready-mixed surface-finishing paste for interior use as a finishing coat before painting with washable paints or wallpapering.

9 Rigips® PRIME

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

10 Washable paint for protection and decoration of interior surfaces.

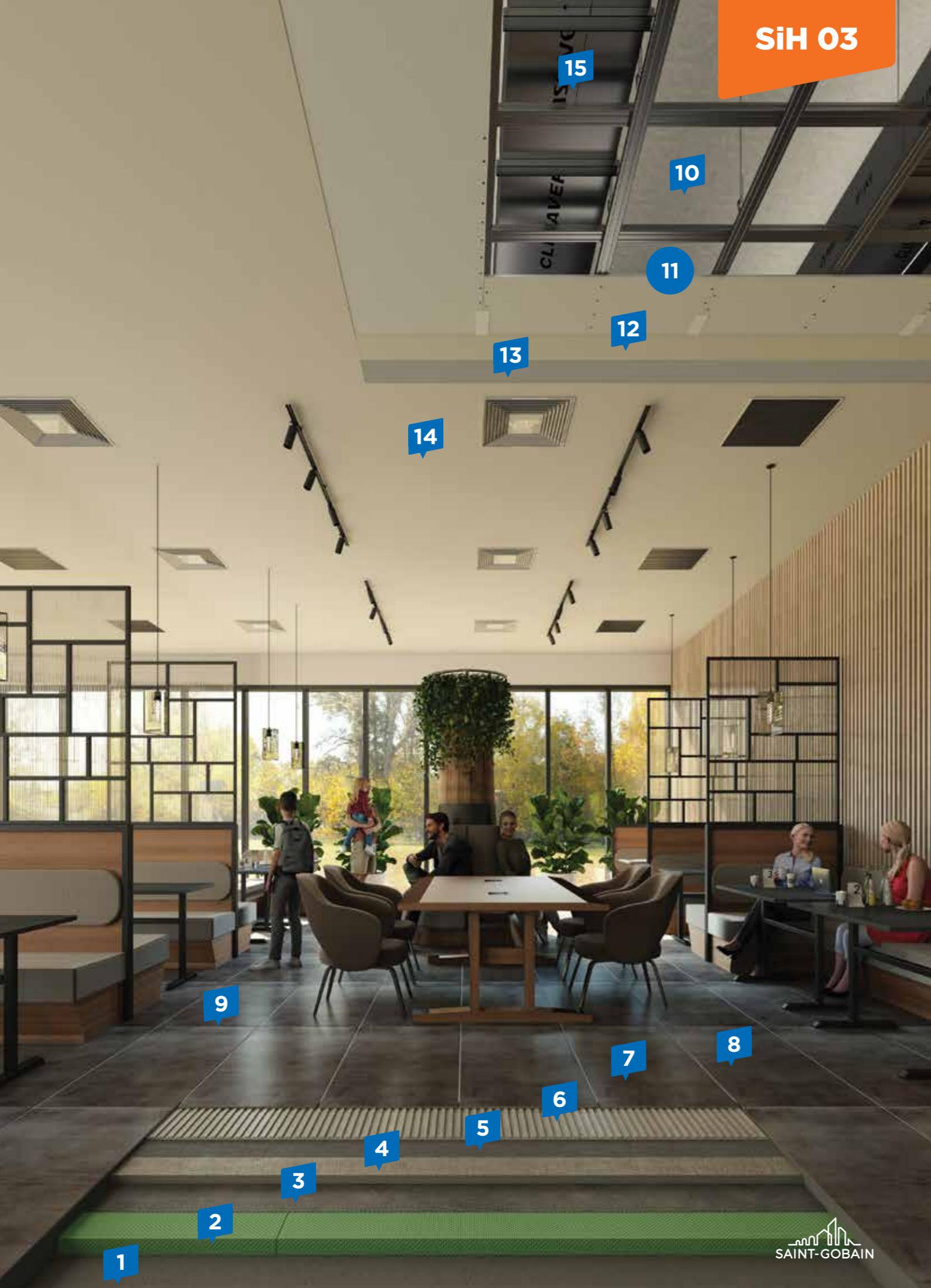
11 TIMELESS[®]

- glass designed for shower enclosures and bath panels, obtained by means of high-performance, almost invisible magnetron deposition on the supporting glass - PLANICLEAR[®]

Benefits offered:

- a very transparent glass
- protects against corrosion
- dirt and limescale cannot adhere to its surface, the glass retains its clear, clean appearance over time with minimal effort





SiH 03
 Installation of CLIMAVER® ventilation ducts under continuous plasterboard ceiling. Porcelain stoneware floor finishing in the dining room

1 Substrate - reinforced concrete slab.
 2 XPS (extruded) polystyrene thermal insulation.
 3 Polyethylene film to protect against the cement laitance that may form when pouring the leveling screed.
 4 weber D10
 Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. Applicable in thicknesses of 20-50 mm. Recommended to be reinforced.
 5 weberprime bond
 Ready-mixed, concentrated universal primer, used to even out the water absorption of substrate in order to obtain high adhesion surfaces.
 6 weberset superflex max²
 Gray cement-based, flexible powder adhesive for critical surfaces, with mineral additives, reinforcing fibers and synthetic resins, applicable in a thin layer (up to 10 mm). Also recommended for large tiles.
 7 Porcelain tiles
 8 webercolor design
 Flexible joint filler for interior and exterior use, resistant to water, mold, mildew and dirt. For joint widths between 1 and 8 mm.
 9 webercolor SIL
 Mold-resistant acetic silicone sealant for joints and seams.
 10 Substrate - reinforced concrete slab (ceiling)
 11 Non-demountable suspended ceiling with Rigips plasterboard - code 4.05.24 ST
 Non-demountable suspended ceiling under concrete slab, made on double metal structure placed in different planes, composed of:
 • Rigiprofil® UD28 guide rail + Rigips sealing tape
 • Rigiprofil® CD60 carrier profile
 • Rigiprofil® CD60 mounting profile
 • Double cross connector for CD profiles
 • Hanger system Rigips rod and anchor
 • Rigips® RB/RBI plasterboard (single-layer installation)
 • Rigips self-tapping screws for plasterboard
 • Rigips joint reinforcement tape
 • Rigips® Super joint filler
 12 Rigips® Super TOP
 White, gypsum-based ultra-fine finishing plaster designed for finishing plasterboard surfaces, as well as pre-leveled interior walls and ceilings (interior plasters or base coats) applied mechanically (with airless pumps) or manually in thicknesses up to 1 mm, in one or more layers.
 13 Rigips® PRIME
 Concentrated universal primer based on special organic dispersion for absorbent surfaces.
 14 Washable paint for protection and decoration of interior surfaces.
 15 Ventilation/HVAC system - CLIMAVER® A2 NETO
 Self-supporting duct system made of rigid glass mineral wool boards covered on the outside with fiberglass reinforced aluminum foil and on the inside with black fiberglass fabric.



EPD only for the following products: RB/RBI boards; Rigips® SUPER; CLIMAVER® A2 NETO



SiH 04

Construction of indoor swimming pools finished with ceramic tiles



MOISTURE
RESISTANCE



EASY TO
INSTALL



SELF
CLEANSING
EFFECT



APPLICABLE
ON MINERAL
WATERPROOFING

1 Substrate - reinforced concrete structure.

2 **weberprime kontakt plus**
Ready-mixed professional contact primer, used to even out the water absorption of substrate in order to obtain highly adhesive surfaces

3 **weber D10**
Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. Applicable in thicknesses of 20-50 mm. Recommended to be reinforced. Applied in full adhesion using WEBERPRIME KONTACT PLUS primer.

4 **weber hydroprotect**
Cement-based, flexible, bi-component waterproofing slurry modified with a polymer emulsion. High elasticity. Flexible even at -20 degrees. Complete sealing against water. Resistant to cracking. Resistant to freeze-thaw cycles. Easy to apply.

5 **webertec max tape**
Sealing tapes for waterproofing systems. Roll length: 50 m. Provides a complete seal in critical areas against the action of water. High elasticity.

6 **webercol pro white**
Gray cement-based, flexible powder adhesive for critical surfaces, with mineral additives, reinforcing fibers and synthetic resins, applicable in a thin layer (up to 10 mm). Also recommended for large tiles.

7 Ceramic tiles.

8 **weberrepox easy**
Bi-component epoxy resin tile grout. The product is a bi-component epoxy resin, used for bonding and grouting ceramic tiles on floors and walls, both indoors and outdoors.

9 **webercolor SIL**
Mold-resistant acetic silicone sealant for joints and seams.

10 **weber BC15**
Cement-based plastering and leveling mortar. Gray cement-based powder with mineral additives and synthetic resins. High strength, good adherence, easy to work with. Manual application.

11 **COOL-LITE® XTREME**
Three-layer Ag glass with the highest selectivity on the market. Products in this range offer the maximum ratio between sunlight and protection against overheating. This has the following benefits:

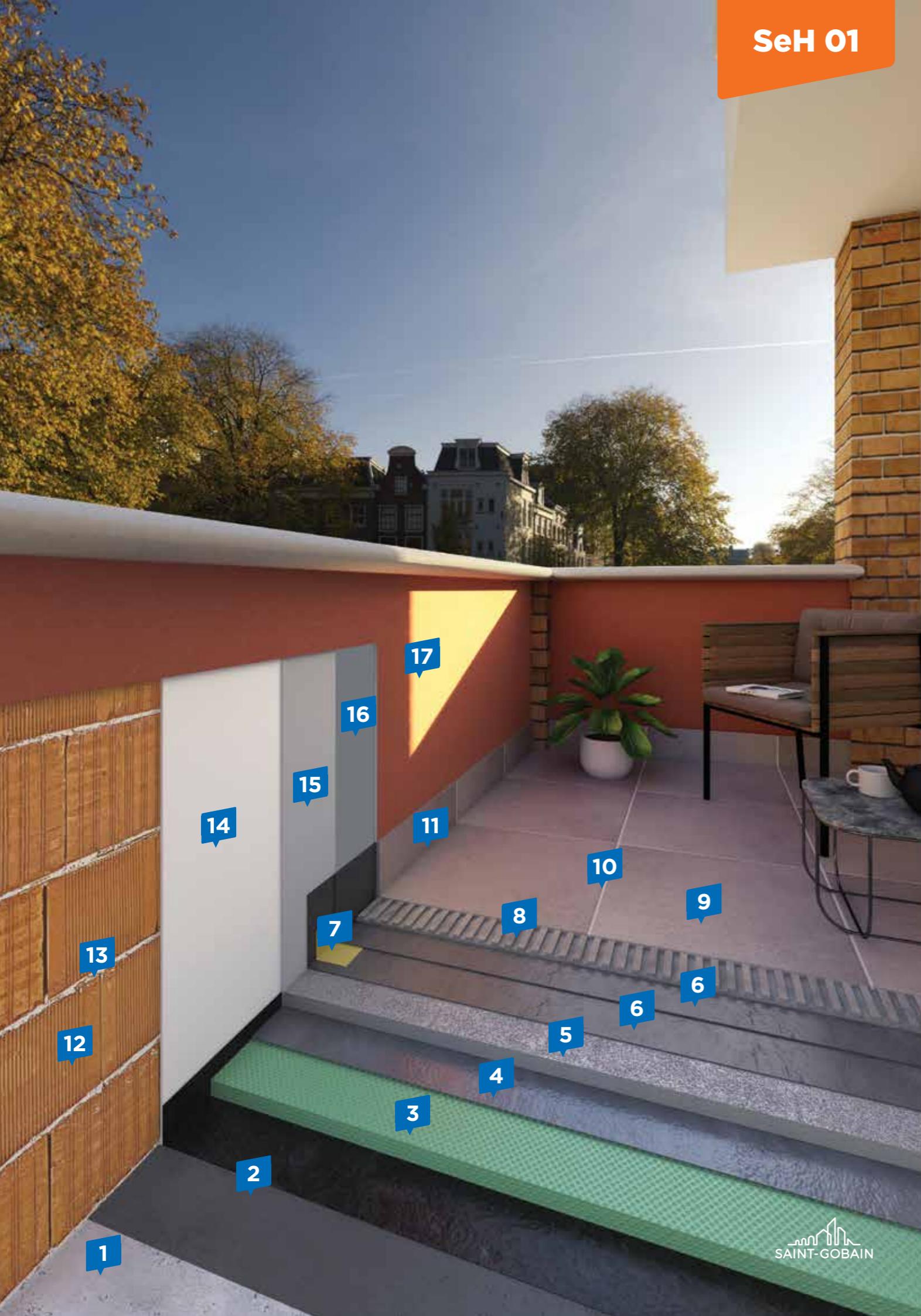
- advanced thermal insulation
- solar control - reflects much of the sun's energy
- high daylight transmission
- neutral and modern exterior aesthetic
- from the inside, reproducing ambient colors
- close to unobstructed view

STADIP® / STADIP® PROTECT
Laminated safety/security glass.
Laminated safety glass offers:

- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection



EPD only for the following products: STADIP®



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SAINT-GOBAIN

EASY TO
INSTALLAPPLICABLE
ON MINERAL
WATERPROOFING

WATERPROOF

SELF
CLEANSING
EFFECTREDUCED
COSTS

SeH 01

Waterproofing and finishing of
balconies

- 1 Substrate - reinforced concrete slab.
- 2 Bituminous membrane acting as a vapor barrier together with a suitable bituminous primer.
- 3 **EXTRUDED POLYSTYRENE XPS**
Thermal insulation made of rigid sheets of extruded polystyrene XPS foam.
- 4 Polyethylene film to protect against the cement laitance that may form when pouring the leveling screed.
- 5 **weber D10**
Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. Applicable in thicknesses of 20-50 mm. Recommended to be reinforced.
- 6 **weber hydroprotect**
Cement-based, flexible, bi-component waterproofing slurry modified with a polymer emulsion. High elasticity. Flexible even at -20 degrees. Complete sealing against water. Resistant to cracking. Resistant to freeze-thaw cycles. Easy to apply.
- 7 **webertec max tape**
Sealing tapes for waterproofing systems. Roll length: 50 m. Provides a complete seal in critical areas against the action of water. High elasticity.
- 8 **webercol pro white**
Gray cement-based, flexible powder adhesive for critical surfaces, with mineral additives, reinforcing fibers and synthetic resins, applicable in a thin layer (up to 10 mm). Also recommended for large tiles.
- 9 Ceramic tile finish.
- 10 **webercolor design**
Flexible joint filler for interior and exterior use, resistant to water, mold, mildew and dirt. For joint widths between 1 and 8 mm.
- 11 **webercolor SIL**
Mold-resistant acetic silicone sealant for joints and seams.
- 12 Substrate - brick masonry wall.
- 13 **weber KL15**
Brick masonry mortar. Gray cement-based powder with quartz sand and synthetic resins. Easy to work with, offering high compressive strength and good adhesion to the substrate.
- 14 **weber BC25**
Mechanized cement-based plaster. Gray cement-based powder with mineral additives and synthetic resins. High strength, good adhesion, fine-grained. Mechanized application.
- 15 **weber BM15-W**
White powder based on white cement with mineral additives and synthetic resins. Easy to work with, offering increased strength and good adhesion to the substrate. For manual application.
- 16 **webertron prime**
Concentrated universal primer based on special organic dispersion for absorbent surfaces.
- 17 **webertron vivid**
Washable paint for protecting and decorating exterior surfaces.

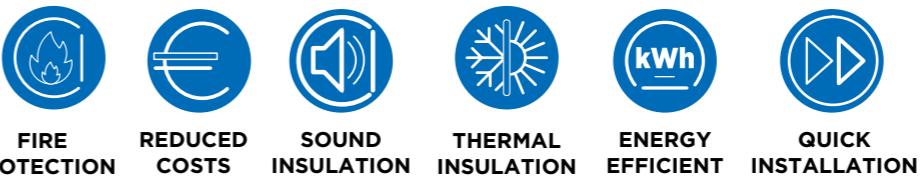




SeH 02

SeH 02

Thermal insulation of exterior walls in
ventilated facade system



1 Substrate - AAC masonry wall.

2 **weber PL25**

Masonry mortar for AAC. Gray cement-based powder with quartz sand and synthetic resins. Easy to work with, offering high adhesion to the substrate and masonry elements.

3 **Isover OPTI VENT NT**

Basalt mineral wool boards suitable for use in ventilated facade systems.

4 **Isover EASY ANCHOR NT + Isover ANCHOR XL 140**

Polypropylene insulation dowel with metal pin for mechanical fastening of basalt mineral wool boards. Can be used together with the Isover ANCHOR XL 140 flange.

5 **VENTILATED FACADE**

Precast finishing elements for ventilated facades.

6 **COOL-LITE® XTREME**

Three-layer Ag glass with the highest selectivity on the market. Products in this range offer the maximum ratio between sunlight and protection against overheating. This has the following benefits:

- advanced thermal insulation
- solar control - reflects much of the sun's energy
- high daylight transmission
- neutral and modern exterior aesthetic
- from the inside, reproducing ambient colors close to unobstructed view

STADIP® / STADIP® PROTECT

Laminated safety/security glass.

Laminated safety glass offers:

- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection



EPD only for the following products: STADIP®



- 1 Substrate - sloping floor deck made of OSB wood panels
- 2 BITUMINOUS PRIMER

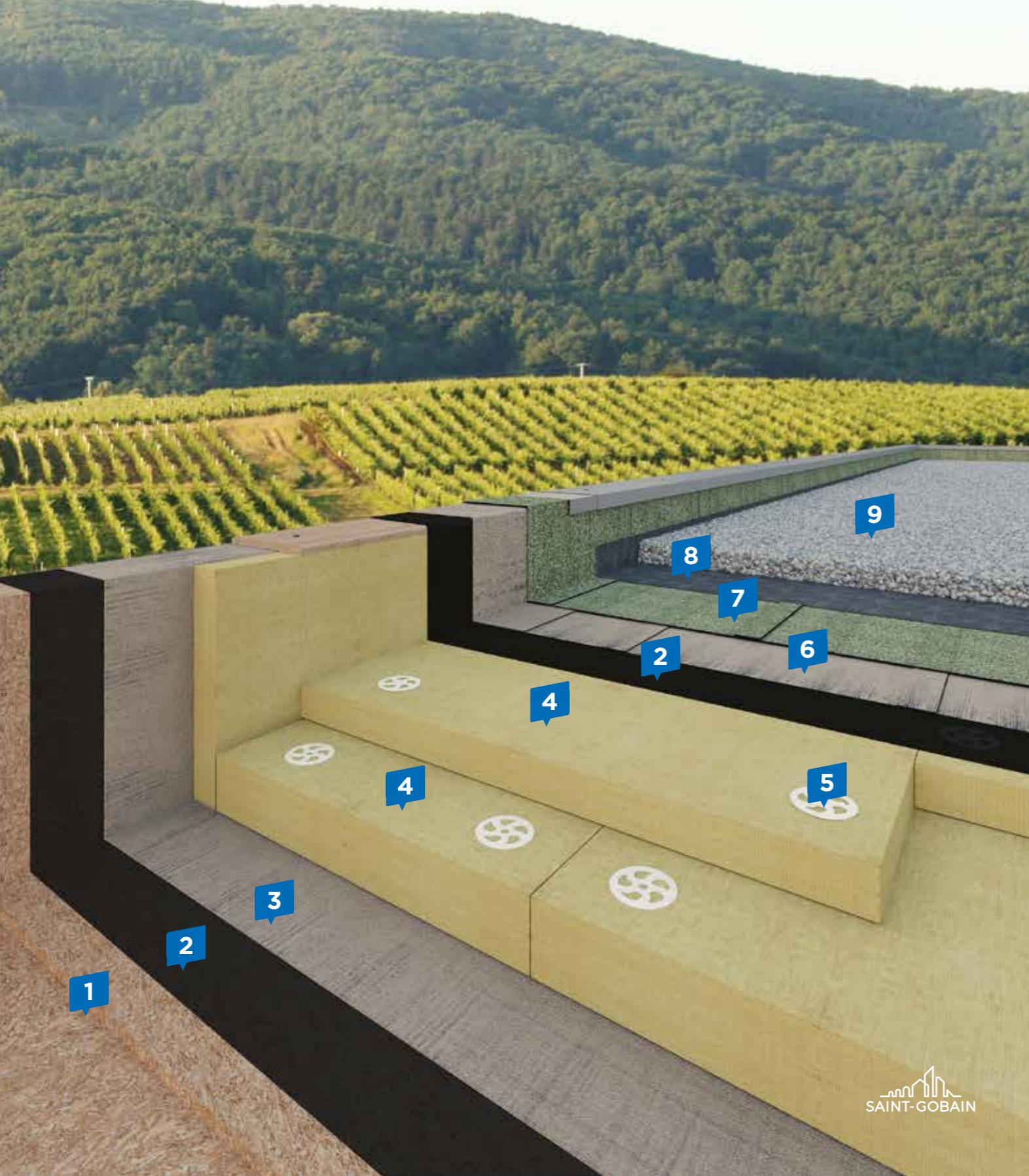
Primer based on bituminous emulsion and solvents. Easy to apply.
- 3 VAPOR BARRIER

Vapor barrier made of bituminous membrane reinforced with aluminum foil.
- 4 Isover PROFI TERRASSE S

Thermal insulation made of basalt mineral wool boards. Designed for thermal insulation, sound insulation and fire protection of roof terraces. It can be installed as top or middle layer over other products from the PROFI TERRASSE range.
- 5 ANCHORS for fastening thermal insulating layers.
- 6 FIRST LAYER of BITUMINOUS MEMBRANE

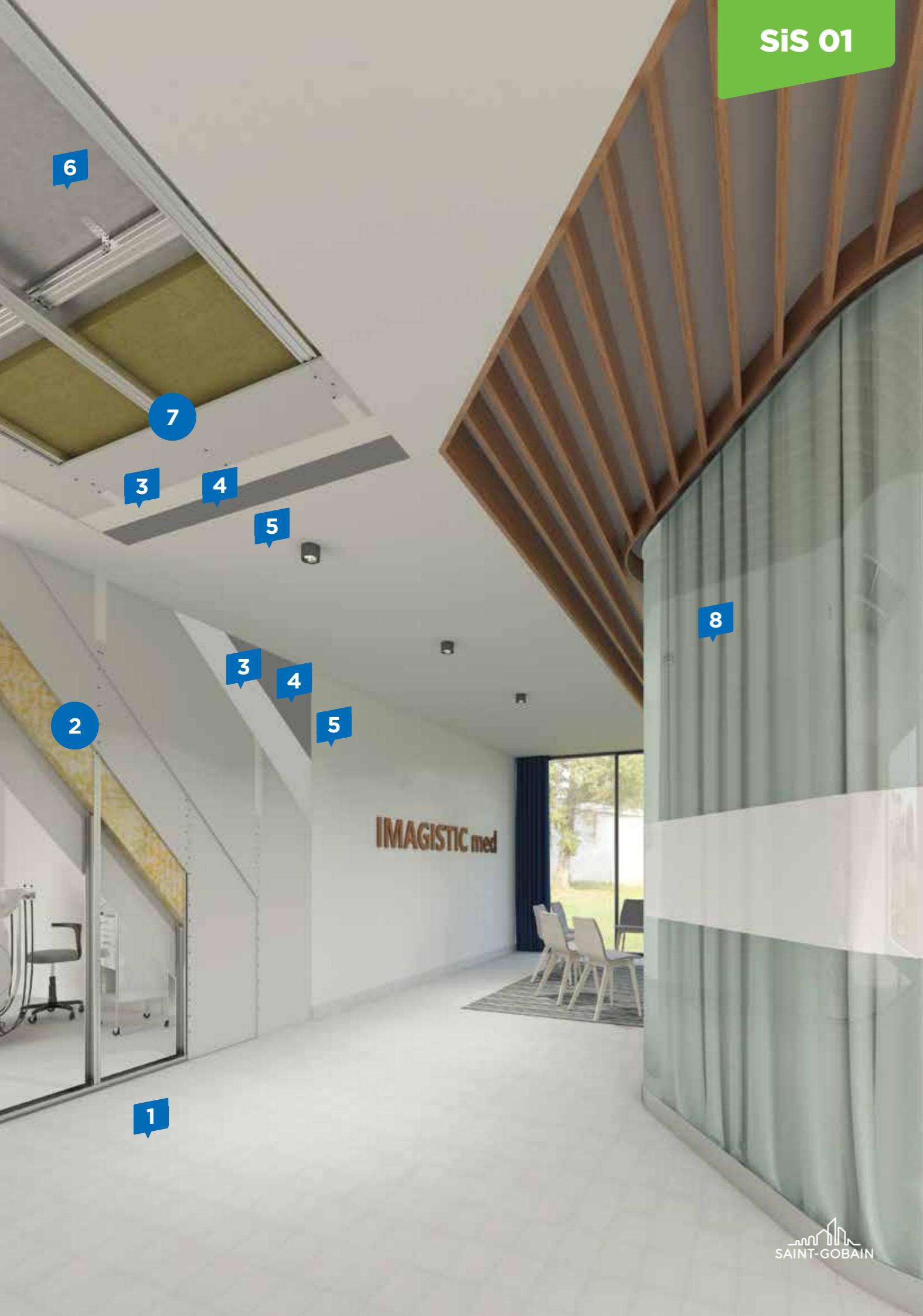
First waterproofing layer of bituminous membrane, finished with sand or talc.
- 7 FINAL LAYER of BITUMINOUS MEMBRANE

Final waterproofing layer of bituminous membrane, finished with slate grains, providing UV protection.
- 8 Geotextile separation and protection layer.
- 9 Final ballast layer of washed gravel.





*4. Solutions for the
healthcare sector*



THERMAL COMFORT



REDUCED COSTS



SOUND INSULATION



COMFORT INDOOR AIR QUALITY



QUICK INSTALLATION

SiS 01

Installation of partition walls and suspended ceilings made with Activ'Air® plasterboards

1 Substrate - reinforced concrete slab.

2 Partition walls with Rigips plasterboards - code 3.40.04-06 RB Activ'Air ST

Non-bearing partition wall on single metal structure UW/CW 75, composed of:

- Rigiprofil® UW75 guide rail + Rigips sealing tape
- Rigiprofil® CW75 upright profile
- Isover AKUSTO 50 mm mineral wool (optional)
- Rigips® Activ'Air 12.5 mm plasterboard (double-layer installation)
- Rigips self-tapping screws for plasterboard
- Rigips joint reinforcement tape
- Rigips® Super joint filler

3 Rigips® PROMIX FINISH PLUS

Ready-mixed surface-finishing paste for interior use as a finishing coat before painting with washable paints or wallpapering.

4 Rigips® PRIME

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

5 Washable paint for protection and decoration of interior surfaces.

6 Substrate - reinforced concrete slab (ceiling)

7 Non-demountable suspended ceiling with Rigips plasterboards - code 4.05.24 RB Activ'Air ST

Non-demountable suspended ceiling with direct fastening under the floor on simple metal structure - CD 60/27 profile and adjustable brackets, composed of:

- Rigiprofil® UD28 guide rail + Rigips sealing tape
- Rigiprofil® CD60 carrier profile
- Direct anchor bracket for CD profiles
- Rigips® Activ' Air 12.5 mm plasterboards (single-layer installation)
- Rigips self-tapping screws
- Rigips joint reinforcement tape
- Rigips® Super joint filler

8 DIAMANT®

Extra-clear float glass partition walls. DIAMANT® is a type of extra-clear, highly transparent glass with a low iron oxide content.

This characteristic gives the glass a higher light transmission than a clear PLANICLEAR® glass, as well as a lighter, more visible tint, especially on the edge. It is the ideal glass for interior partitions, as the transmission of natural light helps reduce artificial lighting costs.



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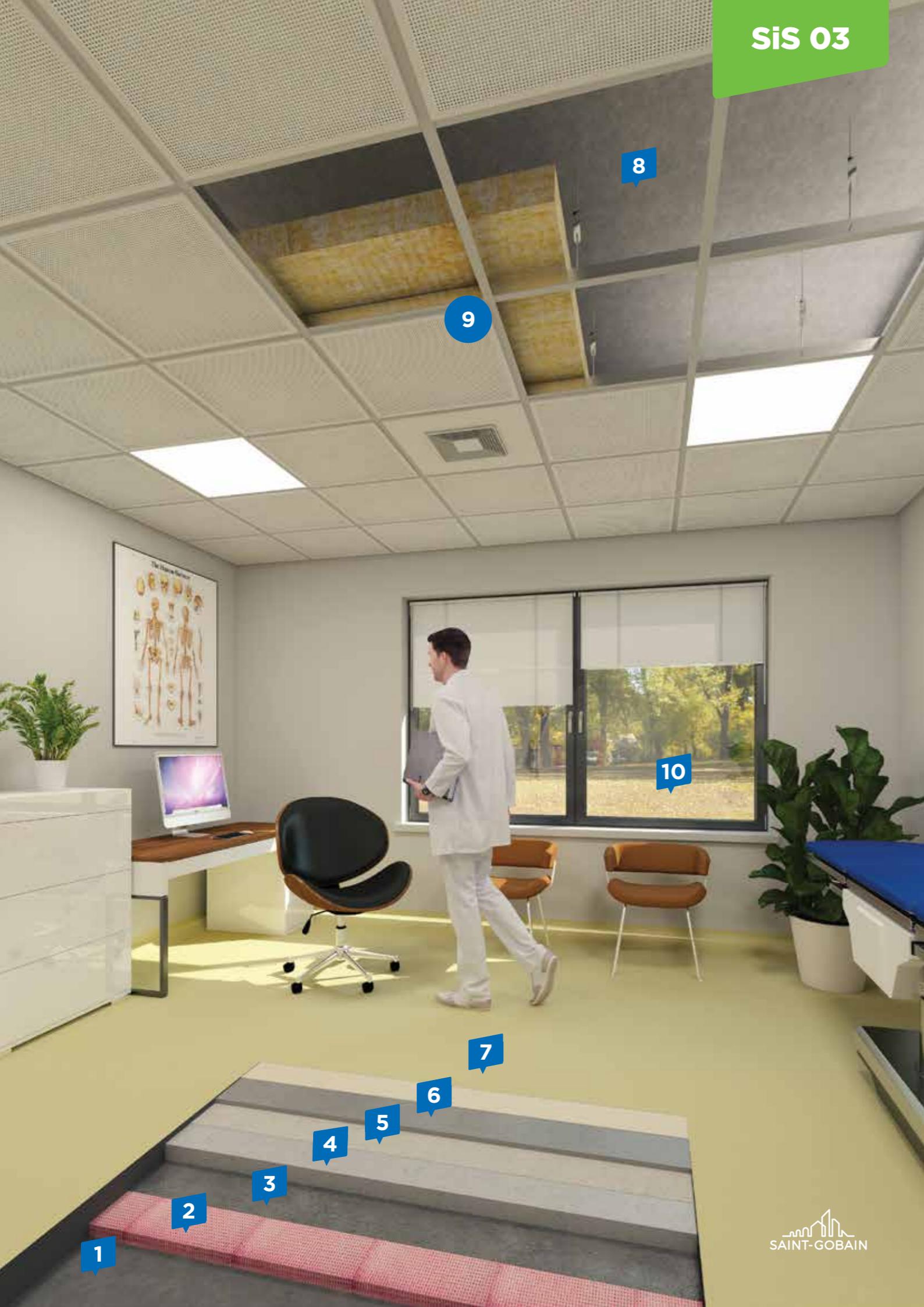


SiS 02

Installation of partition walls and suspended ceilings with X'Ray Protection plasterboard

- 1 Substrate - reinforced concrete slab.
- 2 Partition walls with Rigips® X-Ray Protection boards - code 3.40.04-06 XR
Non-bearing partition wall on single metal structure UW/ CW 75, composed of:
 - Rigiprofil® UW75 guide rail + Rigips sealing tape
 - Rigiprofil® CW75 upright profile
 - Isovap AKUSTO 50 mm mineral wool (optional)
 - Rigips® X-Ray Protection 12.5 mm boards (double-layer installation)
 - Rigips® HartFix® self-tapping screws
 - Rigips joint reinforcement tape
 - Gypfill X-Ray Protection joint filler
- 3 Rigips® PROMIX FINISH PLUS
Ready-mixed surface-finishing paste for interior use as a finishing coat before painting with washable paints or wallpapering.
- 4 Rigips® PRIME
Concentrated universal primer based on special organic dispersion for absorbent surfaces.
- 5 Washable paint for protection and decoration of interior surfaces.
- 6 Substrate - reinforced concrete slab (ceiling)
- 7 Non-demountable suspended ceiling with Rigips® X-Ray Protection boards - code 4.05.24 XR ST
Non-demountable suspended ceiling with direct fastening under the floor on simple metal structure - CD 60/27 profile and adjustable brackets, composed of:
 - Rigiprofil® UD28 guide rail + Rigips sealing tape
 - Rigiprofil® CD60 carrier profile
 - Direct anchor bracket for CD profiles
 - Rigips® X-Ray Protection 12.5 mm plasterboard (double-layer installation)
 - Rigips® HartFix® self-tapping screws
 - Rigips joint reinforcement tape
 - Gypfill X-Ray Protection joint filler
- 8 Glass partition window with X-ray protection - SUPERCONTRYX range
SUPERCONTRYX is a monolithic glass for use in the medical field: radiology rooms, operating theaters and laboratories, both in the public and private sector. Anti-radiation glass is composed of more than 70% heavy materials, of which more than 40% Pb, and provides protection against X-radiation mainly due to its combination of heavy elements. It is used to protect anyone potentially exposed to ionizing X-rays. It strongly attenuates these types of radiation.





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SAINT-GOBAIN



EPD only for the following products: Isover AKUSTO;
Gyptone® Activ'Air ceiling tiles; STADIP®

THERMAL
COMFORTEASY TO
INSTALLMECHANICAL
RESISTANCE

COMFORT

INDOOR AIR
QUALITY

SiS 03

Installation of linoleum finished floor and suspended ceiling using ceiling tiles from the Gyptone® Activ'Air range

1 Substrate - reinforced concrete slab.

2 XPS (extruded) polystyrene thermal insulation.

3 Polyethylene film to protect against the cement laitance that may form when pouring the leveling screed.

4 weber D10

Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. Applicable in thicknesses of 20-50 mm. Recommended to be reinforced.

5 weberprime bond

Ready-mixed, concentrated universal primer, used to even out the water absorption of substrate in order to obtain high adhesion surfaces.

6 weberfloor home

Quick self-leveling screed. Mortar based on mineral binders and modified polymers, with additives, which give it optimal leveling properties without the risk of shrinkage. Applied in thicknesses of 2-30 mm.

7 Finishing - PVC/Linoleum flooring.

8 Substrate - reinforced concrete slab (ceiling).

9 Demountable suspended ceiling with ceiling tiles, on metal structure of T-profiles - code 4.07.50:75 Demountable suspended ceiling under reinforced concrete slab, made on metal structure of T-profiles and composed of:

- Quick-Lock perimeter profile
- Quick-Lock T24/38 main profile
- Quick-Lock T24/38 secondary profile
- Quick-Lock T24/38 partitioning profile
- Hanger system - Rigips eye rod
- Rigips rod extender
- Hanger rod with hook - Rigips
- Isover AKUSTO 50 mm mineral wool (optional)
- Plasterboard ceiling tiles - 600 x 600 mm in the Gyptone® Activ'Air® range

10 COOL-LITE® XTREME

Three-layer Ag glass with the highest selectivity on the market. Products in this range offer the maximum ratio between sunlight and protection against overheating. This has the following benefits:

- advanced thermal insulation
- solar control - reflects much of the sun's energy
- high daylight transmission
- neutral and modern exterior aesthetic
- from the inside, reproducing ambient colors close to unobstructed view

STADIP® / STADIP® PROTECT

Laminated safety/security glass.

Laminated safety glass offers:

- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection



SiS 04



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SAINT-GOBAIN



THERMAL
COMFORT



EASY TO
INSTALL



COMFORT



INDOOR AIR
QUALITY

SiS 04

Installation of partition walls with extra-clear glass from the DIAMANT® range and antibacterial ceiling tiles from the Ecophon Hygiene™ range

1 Substrate - reinforced concrete slab (ceiling).

2 ECOPHON HYGIENE™ antibacterial ceiling tiles for the healthcare sector - CLINIC or MEDITEC range.

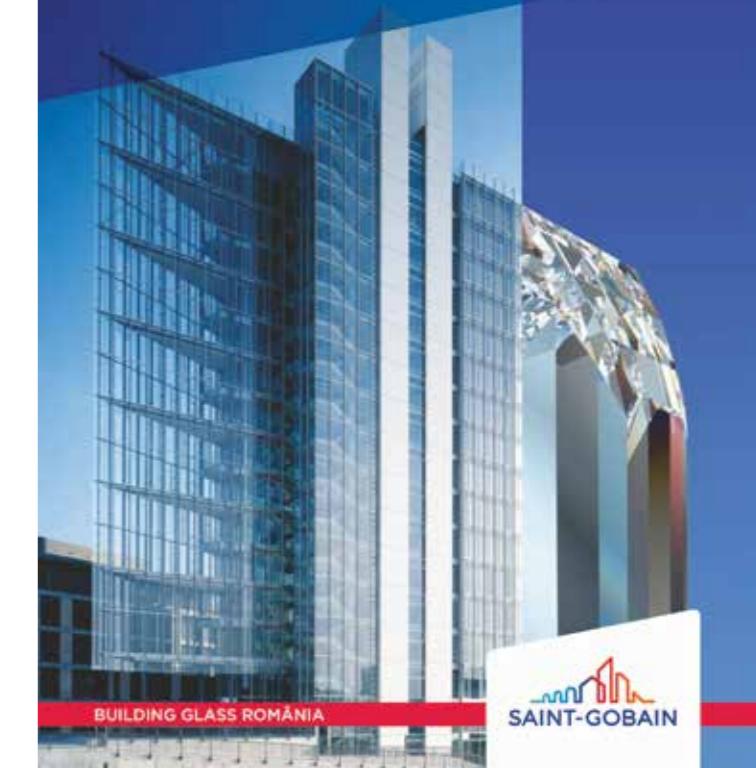
3 DIAMANT®

Extra-clear float glass partition walls. DIAMANT® is a type of extra-clear, highly transparent glass with a low iron oxide content.

This characteristic gives the glass a higher light transmission than a clear PLANICLEAR® glass, as well as a lighter, more visible tint, especially on the edge. It is the ideal glass for interior partitions, as the transmission of natural light helps reduce artificial lighting costs.



DIAMANT®
EXTRA CLEAR
FLOAT GLASS

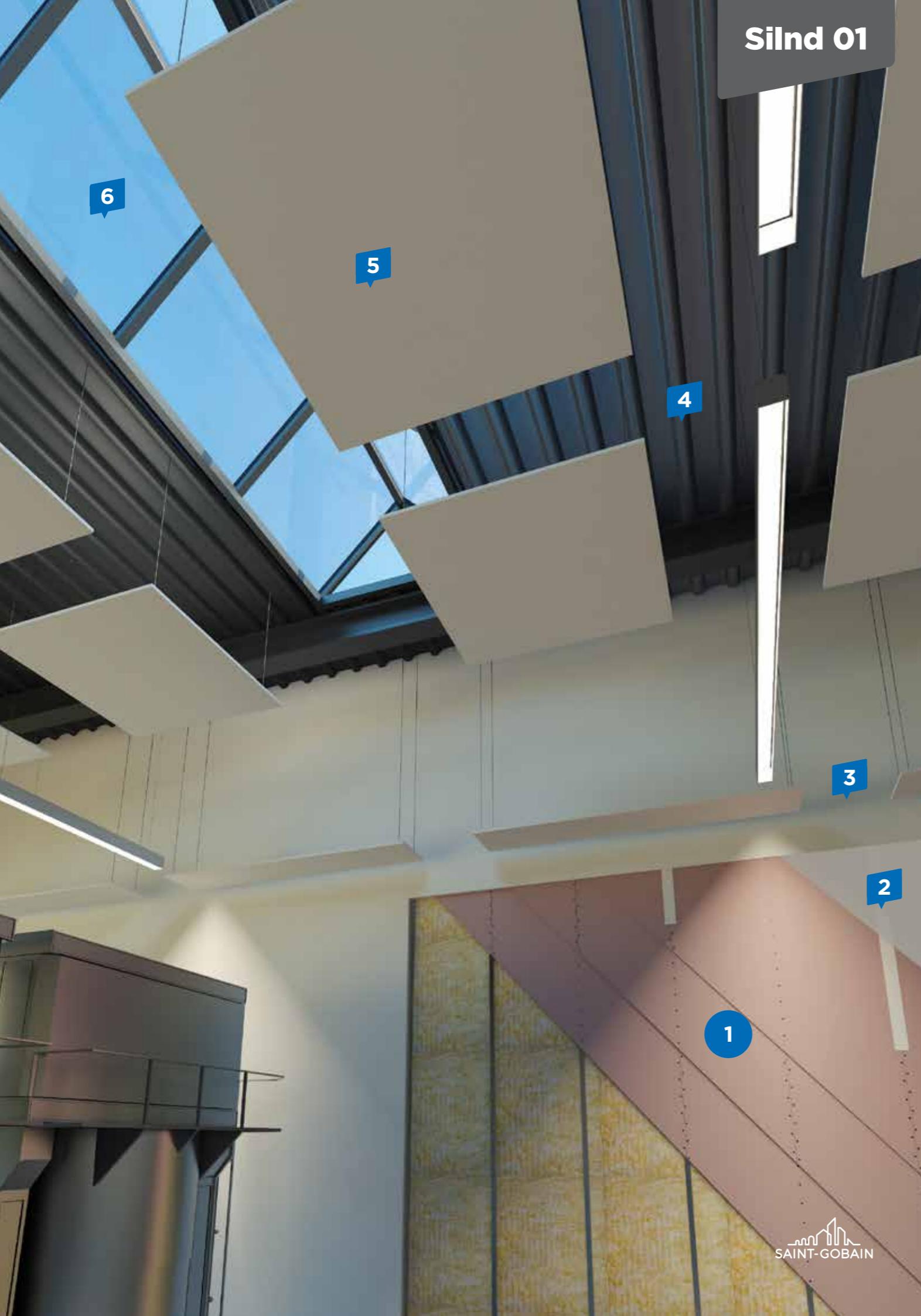


EPD only for the following products: ECOPHON HYGIENE™ range of ceiling tiles; DIAMANT®



5. Solutions for
industrial buildings

Silnd 01



EASY TO
INSTALL



SOUND
INSULATION



FIRE
PROTECTION



QUICK
INSTALLATION

Silnd 01

Fire-resistant partition walls and Ecophon® acoustic panels for noise reduction.

1 Partition walls with Rigips® plasterboards - code 3.40.10a

Non-bearing partition wall on single metal structure UW/CW 125, with fire resistance and increased height, composed of:

- Rigiprofil® UW125 guide rail + Rigips sealing tape
- Rigiprofil® CW125 upright profile
- Isover PLN 120 mm mineral wool
- RF 15 mm plasterboard (triple-layer installation)
- Rigips self-tapping screws for plasterboard
- Rigips joint reinforcement tape
- Rigips® Super joint filler

2 Rigips® PRIME

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

3 Washable paint for protection and decoration of interior surfaces.

4 Substrate - existing - corrugated metalsheet ceiling.

5 Demountable suspended ceiling with individually mounted glass wool acoustic panels - for acoustic treatment - ECOPHON SOLO™ range

Ecophon Solo™ Rectangle is an acoustic solution, primarily when a wall-to-wall ceiling is not possible.

Ecophon Solo™ is suitable in buildings where the room volume could be maintained or as an option when TABS (Thermally Activated Building System) is selected as cooling system.

Solo Rectangle is a frameless, suspended ceiling module that offers a high degree of design and furnishing possibilities in terms of both colors and hanger systems. The three different hanger systems using adjustable wire rods, rigid hanger pieces or inwardly adjustable brackets combined with the Connect Absorber engineered anchor (patent pending) provide opportunities to create multiple layers and different angles of attachment of these acoustic panels.

6 COOL-LITE® XTREME

Three-layer Ag glass with the highest selectivity on the market. Products in this range offer the maximum ratio between sunlight and protection against overheating.

This has the following benefits:

- advanced thermal insulation
- solar control - reflects much of the sun's energy
- high daylight transmission
- neutral and modern exterior aesthetic
- from the inside, reproducing ambient colors close to unobstructed view

STADIP® / STADIP® PROTECT

Laminated safety/security glass.

Laminated safety glass offers:

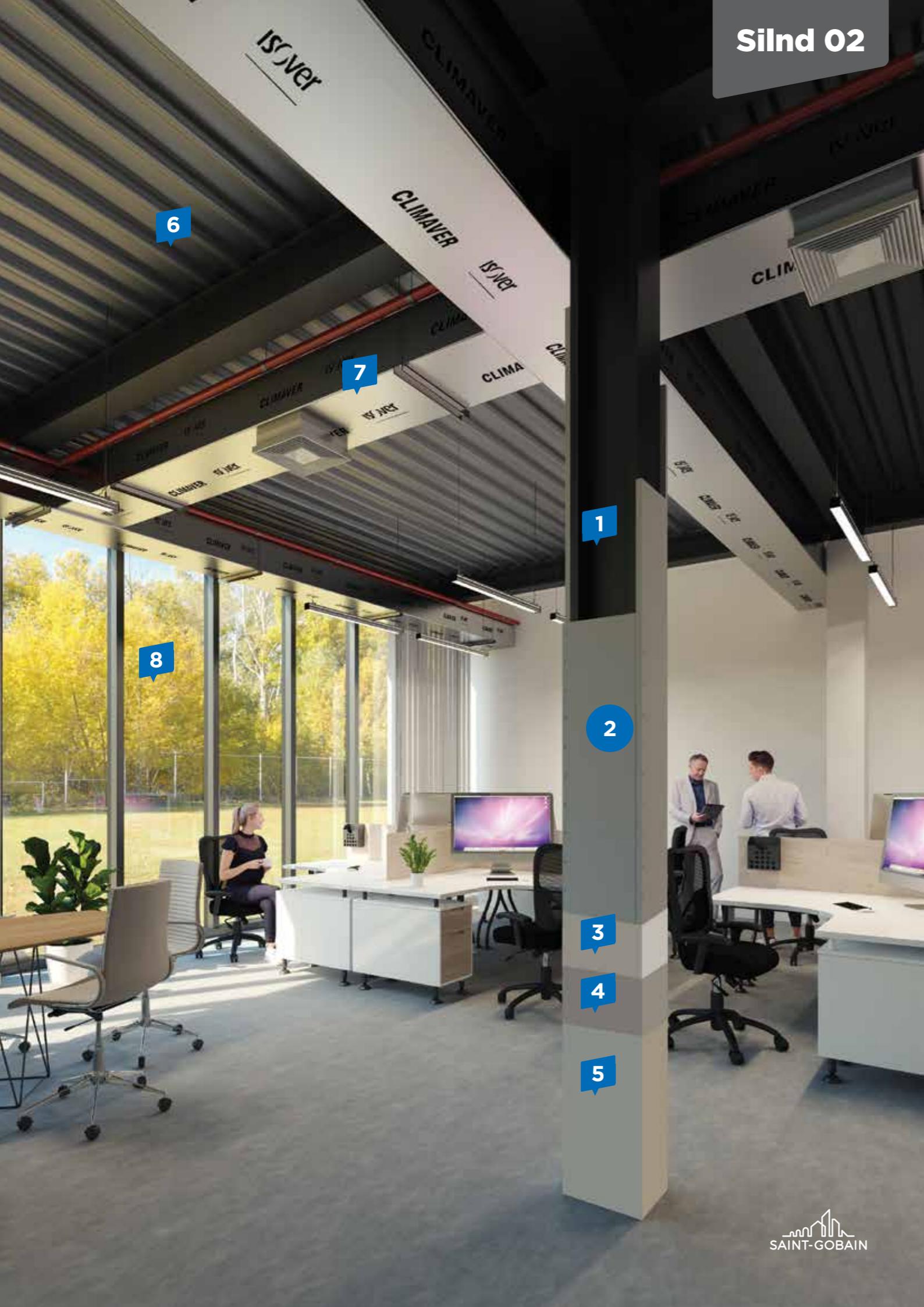
- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection



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EPD only for the following products: RF boards; Isover PLN; Rigips® Super; ECOPHON SOLO™ panels; STADIP®



Silnd 02



EASY TO INSTALL



FIRE PROTECTION



HVAC



COMFORT

Silnd 02

Fire protection of the steel structure using Glasroc® F Ridurit panels and CLIMAVER® ventilation/air conditioning system®

1 Substrate - load-bearing metal structure.

2 Special applications Glasroc® F (RIDURIT) code 6.10.00

Fire protection of load-bearing metal structures - COLUMNS and BEAMS.

Single-, double- or triple-layer installation with Glasroc® F (Ridurit) - fiberglass-reinforced gypsum boards.

The system consists of:

- 15, 20, 25 or 30 mm thick Glasroc® F (Ridurit) boards
- 100 mm Glasroc® F (Ridurit) board strips
- Self-tapping screws for Glasroc® F (Ridurit)
- Rigips® VARIO® jointing paste

3 Rigips® PROMIX FINISH PLUS

Ready-mixed surface-finishing paste for interior use as a finishing coat before painting with washable paints or wallpapering.

4 Rigips® PRIME

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

5 Washable paint for protection and decoration of interior surfaces.

6 Substrate - corrugated metalsheet ceiling

7 Ventilation/HVAC system - CLIMAVER® A2 NETO

Self-supporting duct system made of rigid glass mineral wool boards covered on the outside with fiberglass reinforced aluminum foil and on the inside with black fiberglass fabric.

8 COOL-LITE® XTREME

Three-layer Ag glass with the highest selectivity on the market. Products in this range offer the maximum ratio between sunlight and protection against overheating.

This has the following benefits:

- advanced thermal insulation
- solar control - reflects much of the sun's energy
- high daylight transmission
- neutral and modern exterior aesthetic
- from the inside, reproducing ambient colors close to unobstructed view

STADIP® / STADIP® PROTECT

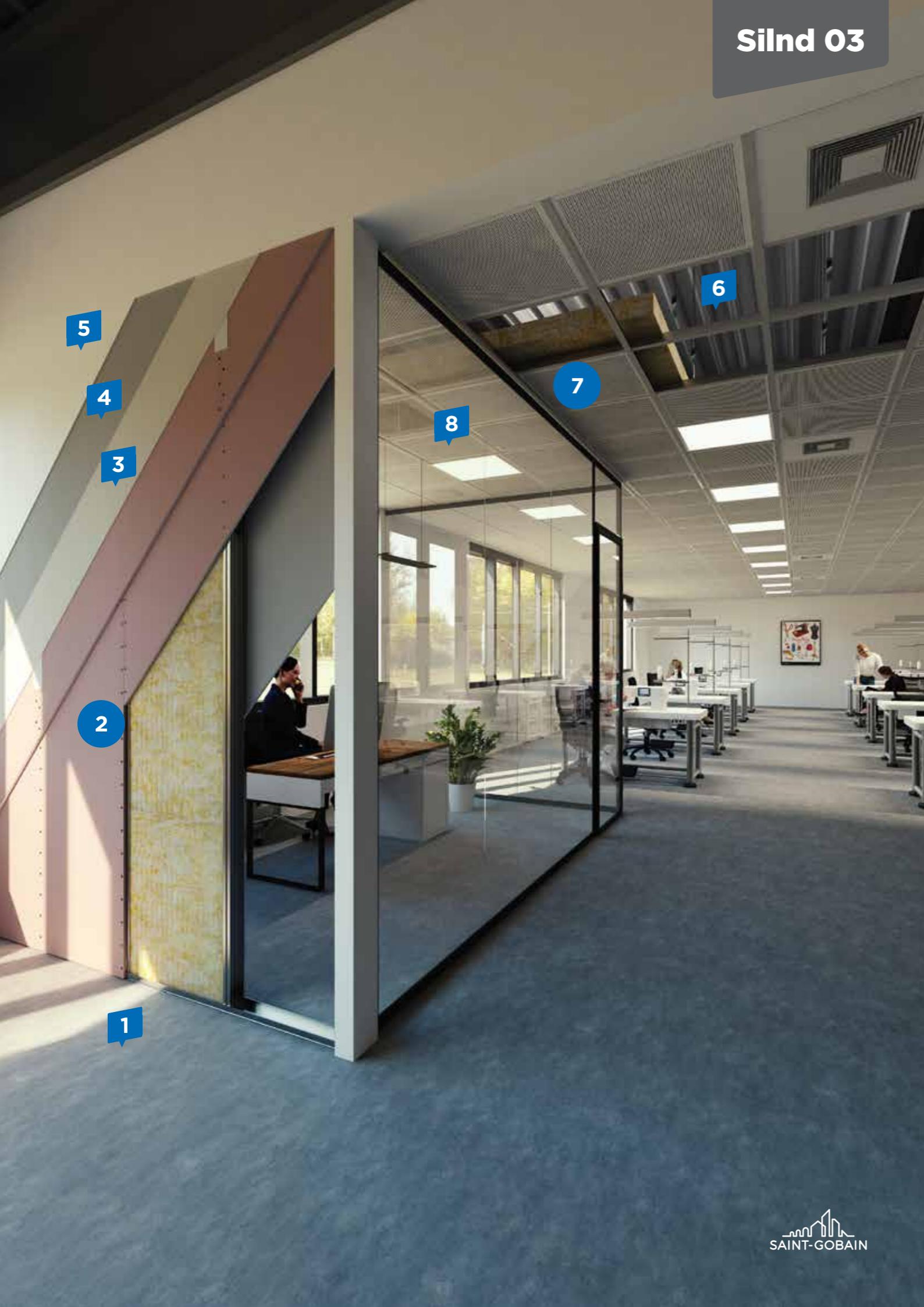
Laminated safety/security glass

Laminated safety glass offers:

- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection



EPD only for the following products: Glasroc® F 15/20/25/30 mm boards; CLIMAVER® A2 NETO; STADIP®

EASY TO
INSTALLFIRE
PROTECTIONSOUND
INSULATIONQUICK
INSTALLATION

1 Substrate - reinforced concrete slab.

2 Partition walls with Rigips plasterboards - code 3.40.06 RF

Non-bearing partition wall on single metal structure UW/CW 100, composed of:

- Rigiprofil® UW100 guide rail + Rigips sealing tape
- Rigiprofil® CW100 upright profile
- Isover AKUSTO 80 mm mineral wool
- RF plasterboard/(double-layer installation)
- Rigips self-tapping screws for plasterboard
- Rigips joint reinforcement tape
- Rigips® Super joint filler

3 Rigips® Super TOP

White, gypsum-based ultra-fine finishing plaster designed for finishing plasterboard surfaces, as well as pre-leveled interior walls and ceilings (interior plasters or base coats) applied mechanically (with airless pumps) or manually in thicknesses up to 1 mm, in one or more layers.

4 Rigips® PRIME

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

5 Washable paint for protection and decoration of interior surfaces.

6 Substrate - structural corrugated metalsheet ceiling

7 Demountable suspended ceiling with ceiling tiles, on metal structure of T-profiles - code 4.07.50:75

Demountable suspended ceiling under structural corrugated metalsheet deck, made on metal structure of T-profiles and composed of:

- Quick-Lock perimeter profile
- Quick-Lock T24/38 main profile
- Quick-Lock T24/38 secondary profile
- Quick-Lock T24/38 partitioning profile
- Hanger system - Rigips eye rod
- Rigips rod extender
- Hanger rod with hook - Rigips
- Isover AKUSTO 50 mm mineral wool (optional)
- Plasterboard ceiling tiles in the Gyptone® range - 600 x 600 mm

8 DIAMANT®

Extra-clear float glass partition walls. DIAMANT® is a type of extra-clear, highly transparent glass with a low iron oxide content.

This characteristic gives the glass a higher light transmission than a clear PLANICLEAR® glass, as well as a lighter, more visible tint, especially on the edge. It is the ideal glass for interior partitions, as the transmission of natural light helps reduce artificial lighting costs.



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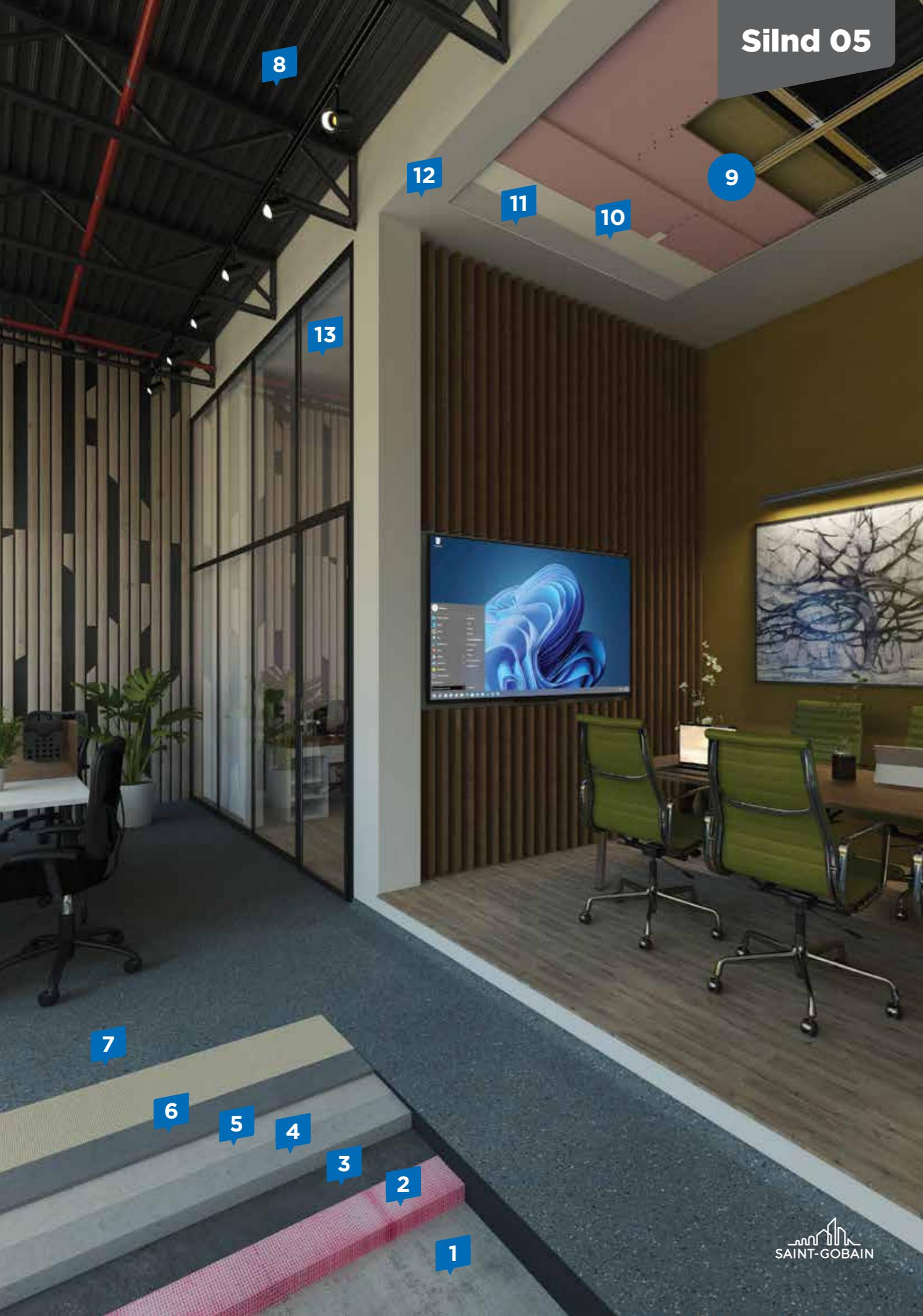
Silnd 04

Partition walls for sanitary units.
Waterproofing and finishing with
ceramic tiles

- 1 Substrate - reinforced concrete slab.
- 2 Partition walls with Aquaroc® cement-based boards - code 3.40.01 - 03 Aq
Non-bearing partition wall on single metal structure UW/ CW 50, composed of:
 - Rigidprofil® UW50 guide rail + Rigs sealing tape
 - Rigidprofil® CW50 upright profile
 - Rigidprofil® metal profiles with corrosion protection
 - Aquaroc cement boards (single-layer installation)
 - Aquaroc HB self-tapping screws
 - Joint adhesive - Aquaroc® PU Glue
- 3 webertec hydroprotect
Cement-based, flexible, bi-component waterproofing slurry modified with a polymer emulsion. High elasticity. Flexible even at -20 degrees. Complete sealing against water. Resistant to cracking. Easy to apply.
- 4 webertec max tape
Sealing tapes for waterproofing systems. Roll length: 50 m. Provides a complete seal in critical areas against the action of water. High elasticity.
- 5 weberset superflex max²
Gray cement-based, flexible powder adhesive for critical surfaces, with mineral additives, reinforcing fibers and synthetic resins, applicable in a thin layer (up to 10 mm). Also recommended for large tiles.
- 6 Ceramic tiles
- 7 webercolor design
Flexible joint filler for interior and exterior use, resistant to water, mold, mildew and dirt. For joint widths between 1 and 8 mm.
- 8 webercolor SIL
Mold resistant acetic silicone sealant for joints and seams.
- 9 TIMELESS[®]
 - glass designed for shower enclosures and bath panels, obtained by means of high-performance, almost invisible magnetron deposition on the supporting glass - PLANICLEAR[®]
 Benefits offered:
 - a very transparent glass
 - protects against corrosion
 - dirt and limescale cannot adhere to its surface, the glass retains its clear, clean appearance over time with minimal effort
- 10 MIRALITE[®] REVOLUTION
 - is an innovative mirror with exceptional purity.
 Benefits offered:
 - three times the quality and lifespan of an ordinary mirror
 - enlarges interior spaces
 - increased levels of light, joy and well-being
 - ambience and pure reflection with an original design



Silnd 05



EASY TO
INSTALL



FIRE
PROTECTION



THERMAL
COMFORT



SOUND
INSULATION

Silnd 05

Installation of suspended ceiling with fire-resistant plasterboards. Floor finishing in industrial buildings

1 Substrate - reinforced concrete slab.

2 XPS (extruded) polystyrene thermal insulation.

3 Polyethylene film to protect against the cement laitance that may form when pouring the leveling screed.

4 **weber D10**

Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. Applicable in thicknesses of 20-50 mm. Recommended to be reinforced.

5 **weberprime bond**

Ready-mixed, concentrated universal primer, used to even out the water absorption of substrate surfaces in order to obtain high adhesion surfaces.

6 **weberfloor home**

Quick self-leveling screed. Mortar based on mineral binders and modified polymers, with additives, which give it optimal leveling properties without the risk of shrinkage. Applied in thicknesses of 2-30 mm.

7 Finishing - PVC/Linoleum flooring.

8 Substrate - structural corrugated metalsheet ceiling.

9 **Non-demountable suspended ceiling with Rigips plasterboards - code 4.10.13b**

Non-demountable suspended ceiling, made on double metal structure placed in different planes, composed of:

- Rigiprofil® UD28 guide rail + Rigips sealing tape
- Rigiprofil® CD60 carrier profile
- Rigiprofil® CD60 mounting profile
- Double cross connector for CD profiles
- Rigips rod suspension Hanger System
- Rigips® RF-XW 12.5 mm plasterboard (double-layer installation)
- Rigips self-tapping screws for plasterboard
- Rigips joint reinforcement tape
- Rigips® VARIO joint filler

10 **Rigips® PROMIX FINISH PLUS**

Ready-mixed surface-finishing paste for interior use as a finishing coat before painting with washable paints or wallpapering.

11 **Rigips® PRIME**

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

12 Washable paint for protection and decoration of interior surfaces.

13 **DIAMANT®**

Extra-clear float glass partition walls. DIAMANT® is a type of extra-clear, highly transparent glass with a low iron oxide content.

This characteristic gives the glass a higher light transmission than a clear PLANICLEAR® glass, as well as a lighter, more visible tint, especially on the edge. It is the ideal glass for interior partitions, as the transmission of natural light helps reduce artificial lighting costs.



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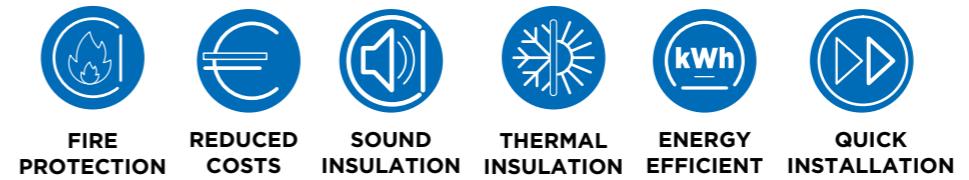


EPD only for the following products: RF boards; DIAMANT®

Selnd 01



SAINT-GOBAIN



1 Substrate - prefabricated metal structural cassettes.

2 **Isover OPTI VENT**
Basalt mineral wool insulating boards used for thermal, sound insulation and fire protection in civil, industrial construction or shipbuilding: ventilated facade walls; curtain walls; partition walls with specified fire resistance performance.

3 **DRAFTEX PROFI**
Diffusion outdoor membrane for wind and water protection. Used with **DRAFTEX TAPE adhesive tape**

4 Electrostatically pre-painted corrugated metalsheet.



Selnd 01

Thermal insulation of exterior walls in metal cassettes

SsInd 01



Thermal
Insulation



Energy
Efficient



Reduced
Costs

1 Substrate - Self-supporting, corrugated metalsheet.

2 **VAPOR BARRIER**

Vapor barrier made of PE film.

3 **Isover PROFI TERRASSE R**

Thermal insulation made of basalt mineral wool boards. Designed for thermal insulation, sound insulation and fire protection of roof terraces. It can be installed as base layer in combination with other products from the PROFI TERRASSE range.

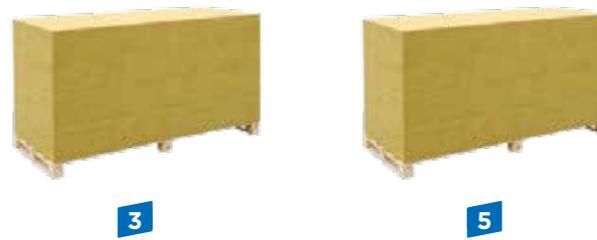
4 ANCHORS for fastening thermal insulating layers.

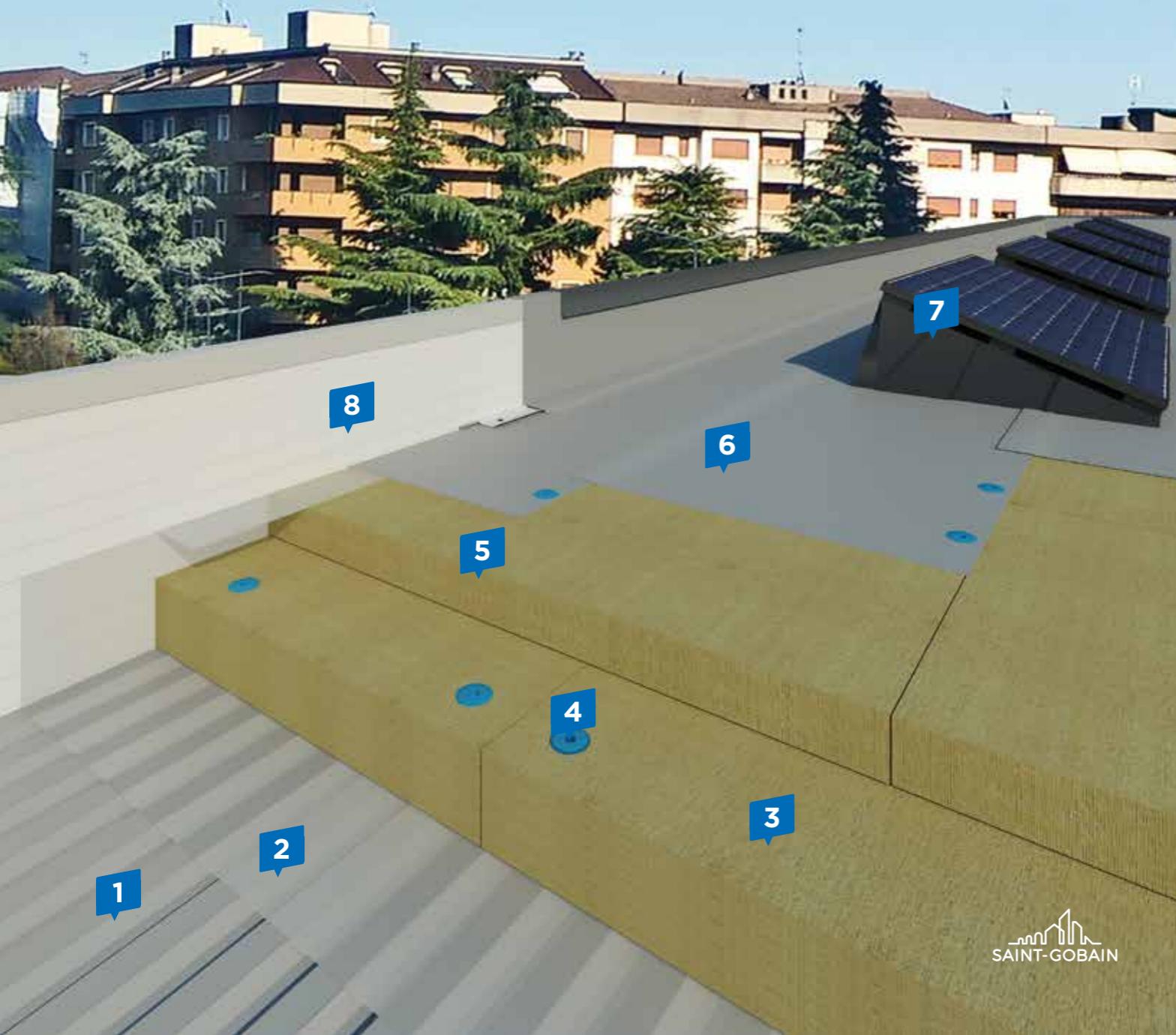
5 **Isover PROFI TERRASSE S**

Thermal insulation made of basalt mineral wool boards. Designed for thermal insulation, sound insulation and fire protection of roof terraces. It can be installed as top or middle layer over other products from the PROFI TERRASSE range.

6 **PVC waterproofing membrane.**

7 Substrate - thermal insulated sandwich panel.





Thermal
Insulation



Energy
Efficient



Reduced
Costs

SsInd 02

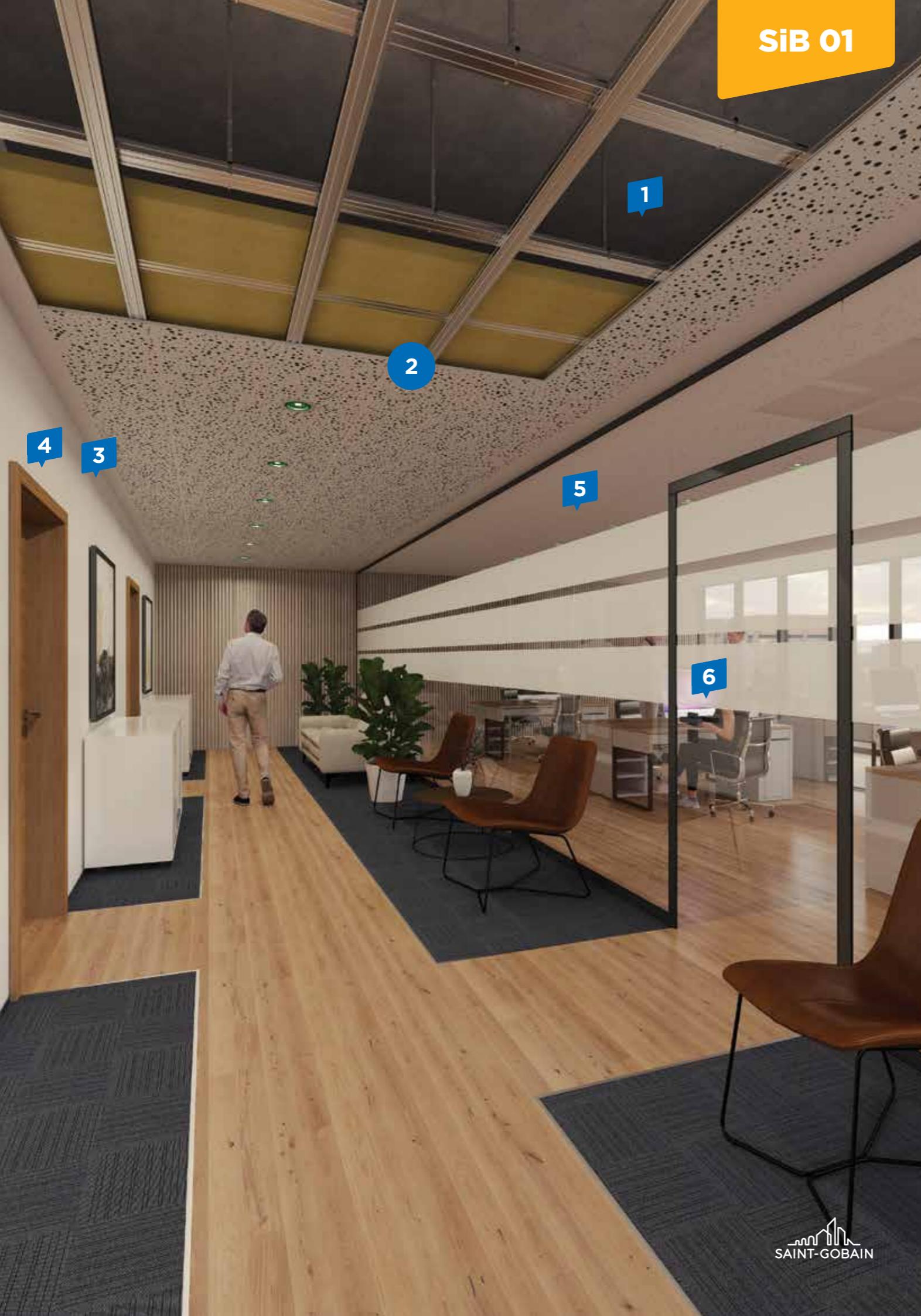
Construction of roof terrace with occasional pedestrian circulation and photovoltaic panels

- 1 Substrate - Self-supporting, corrugated metal sheet.
- 2 **VAPOR BARRIER**
Vapor barrier made of PE film.
- 3 **Isover PROFI TERRASSE S**
Thermal insulation made of basalt mineral wool boards. Designed for thermal insulation, sound insulation and fire protection of roof terraces. It can be installed as top or middle layer over other products from the PROFI TERRASSE range.
- 4 ANCHORS for fastening thermal insulating layers.
- 5 **Isover PROFI TERRASSE PHV**
Thermal insulation made of basalt mineral wool boards. Designed for the thermal and sound insulation of roof terraces, including metal hall roofs with high loads - such as photovoltaic panels.
- 6 PVC waterproofing membrane.
- 7 Photovoltaic panels.
- 8 Substrate - thermal insulated sandwich panel.





*6. Solutions for
office buildings*

EASY TO
INSTALLTHERMAL
COMFORTSOUND
INSULATIONFIRE
PROTECTION

SiB 01

Vetrotech fire resistant glass partition wall solution and acoustic ceilings from the Rigitone® range

1 Substrate - reinforced concrete slab (ceiling)

2 Non-demountable suspended ceiling with acoustic plasterboards in the RIGITONE® range - code 4.07.21

Non-demountable suspended ceiling, made on double metal structure placed in different planes, composed of:

- Rigiprofil® UD28 guide rail + Rigips sealing tape
- Rigiprofil® CD60 carrier profile
- Rigiprofil® CD60 mounting profile
- Double cross connector for CD profiles
- NONIUS hanger system
- RIGITONE® plasterboard (single-layer installation)
- Rigips self-tapping screws for plasterboard
- Rigitone® Fix Adhesive joint filler

3 Rigips® PRIME

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

4 Washable paint for protection and decoration of interior surfaces.

5 VETROTECH CONTRAFLAM STRUCTURE

Fire-resistant glass partition walls.

CONTRAFLAM Structure sets new standards in transparent fire protection design. The floor-to-ceiling glazing system provides a continuous, uninterrupted glass wall.

CONTRAFLAM Structure is a fire-resistant glass consisting of two or more sheets of tempered glass. The space between the sheets of glass is filled with a transparent intumescent gel becoming an intermediate layer that reacts when exposed to fire. **CONTRAFLAM Structure** provides optimum safety for escape routes from buildings and is ideal in congested areas. Made of fire-resistant glass, the **CONTRAFLAM Structure** range is designed to achieve the mechanical strength required to withstand interior wall line loads and provide superior aesthetics of the edges.

6 VETROTECH LUNAX® PORTA

Frameless fire-resistant glass doors for interior application.

Characterized by their minimalist design, LUNAX® PORTA fully fire-resistant glass doors meet the highest architectural expectations, offering maximum transparency combined with fire resistance in interior applications. LUNAX® PORTA fully fire-resistant glass doors with frameless leaves are single or double action self-closing doors that enhance the architecture of new building and renovation projects. The symmetrical pivoting system and door design allow the door to open in either direction.



3



SiB 02

Partition walls with acoustic properties, made of Rigips® FONIC plasterboards. Ceilings from the Ecophon® range



EASY TO INSTALL



THERMAL COMFORT



SOUND INSULATION



QUICK INSTALLATION

1 Substrate - concrete slab.

2 Partition walls with Rigips® FONIC plasterboards - code 3.45.05

Non-bearing partition wall on single metal structure UW/CW 75, composed of:

- Rigiprofil® UW75 guide rail + Rigips sealing tape
- Rigiprofil® CW75 upright profile
- Isover AKUSTO 75 mm mineral wool
- Rigips® FONIC plasterboard (double-layer installation)
- Rigips self-tapping screws
- Rigips joint reinforcement tape
- Rigips® Super joint filler

3 Rigips® Super TOP

White, gypsum-based ultra-fine finishing plaster designed for finishing plasterboard surfaces, as well as pre-leveled interior walls and ceilings (interior plasters or base coats) applied mechanically (with airless pumps) or manually in thicknesses up to 1 mm, in one or more layers.

4 Rigips® PRIME

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

5 Washable paint for protection and decoration of interior surfaces.

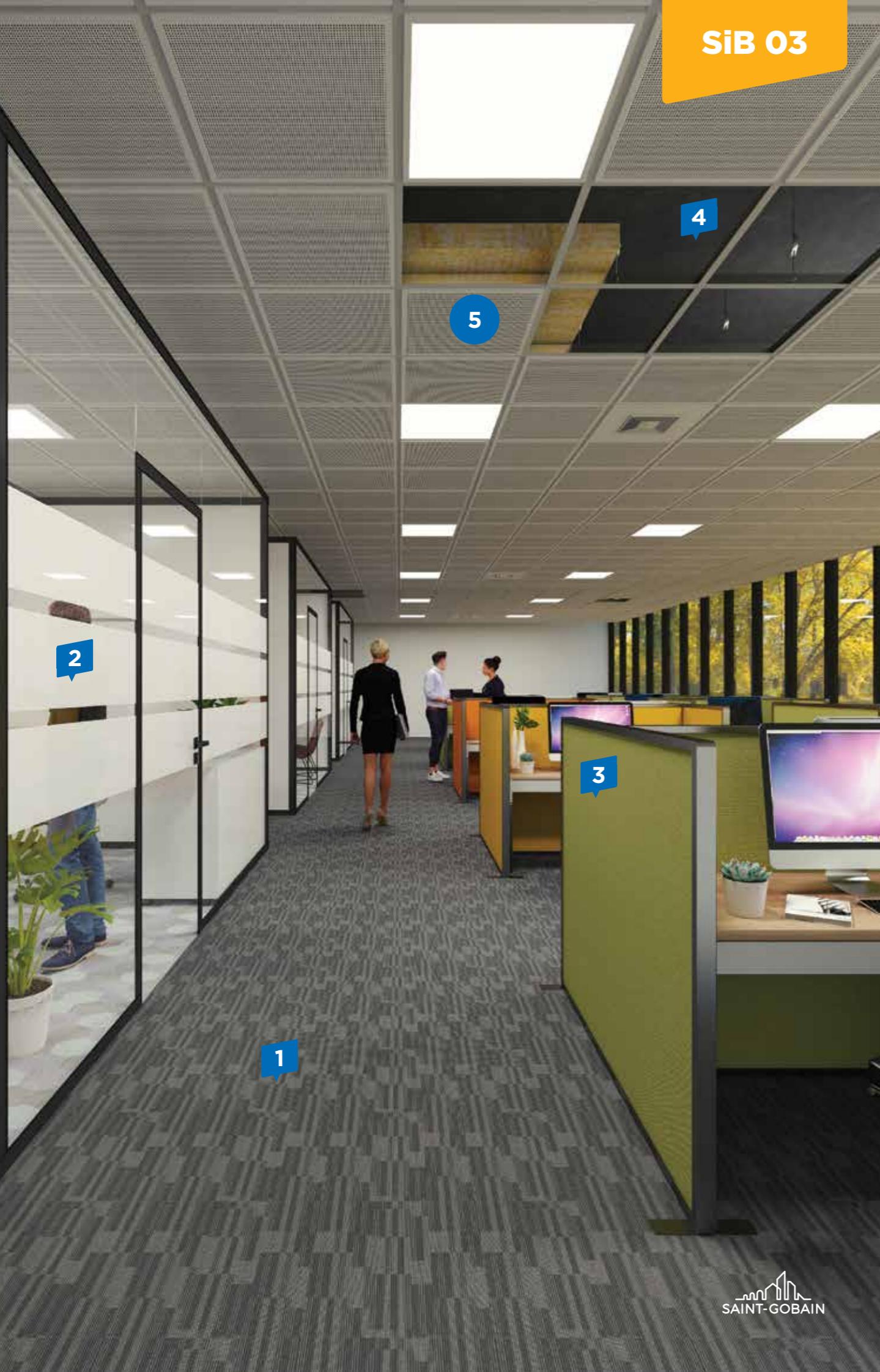
6 Substrate - structural corrugated metal sheet ceiling

7 Demountable suspended ceiling with individually mounted glass wool acoustic panels - for acoustic treatment - ECOPHON SOLO™ range

Ecophon Solo™ is an acoustic solution, primarily when a continuous plasterboard ceiling is not possible. The Ecophon Solo™ range introduces 10 geometric shapes. They come in different sizes and can be combined to create an impressive ceiling.

Ecophon Solo™ shapes are all derived from geometry. Here you will find circles, ellipses, triangles, rectangles, pentagons, octagons and hexagons that not only give the ceiling an interesting look but also provide acoustic comfort. All shapes have a thickness of 40 millimeters and are available in different sizes that can be combined to achieve an aesthetic effect on the ceiling.



EASY TO
INSTALLTHERMAL
COMFORTSOUND
INSULATIONQUICK
INSTALLATION

SiB 03

Tempered glass partition walls and Ecophon Akusto Screen™ partition panels. Plasterboard acoustic ceiling tiles from the Gyptone® range

1 Substrate - finished floor.

2 DIAMANT®

Extra-clear float glass partition walls. DIAMANT® is a type of extra-clear, highly transparent glass with a low iron oxide content. This characteristic gives the glass a higher light transmission than a clear PLANICLEAR® glass, as well as a lighter, more visible tint, especially on the edge. It is the ideal glass for interior partitions, as the transmission of natural light helps reduce artificial lighting costs.

3 ECOPHON AKUSTO™

Ecophon Akusto™ is an addition to the range of sound absorbing panels that solves acoustic challenges and offers opportunities to follow current design trends. The panel surface is available in a diverse range of finishes - like: Texona, Super G, Akutex FT and Akutex HS. The back of the panel is covered with glass tissue.

PROPERTIES:

- Excellent acoustics
- Sound absorbing wall and screen panels with multiple installation solutions
- A vertical solution in a variety of surfaces, colors and shapes

The picture shows the product ECOPHON AKUSTO SCREEN.

4 Substrate - reinforced concrete slab (ceiling)

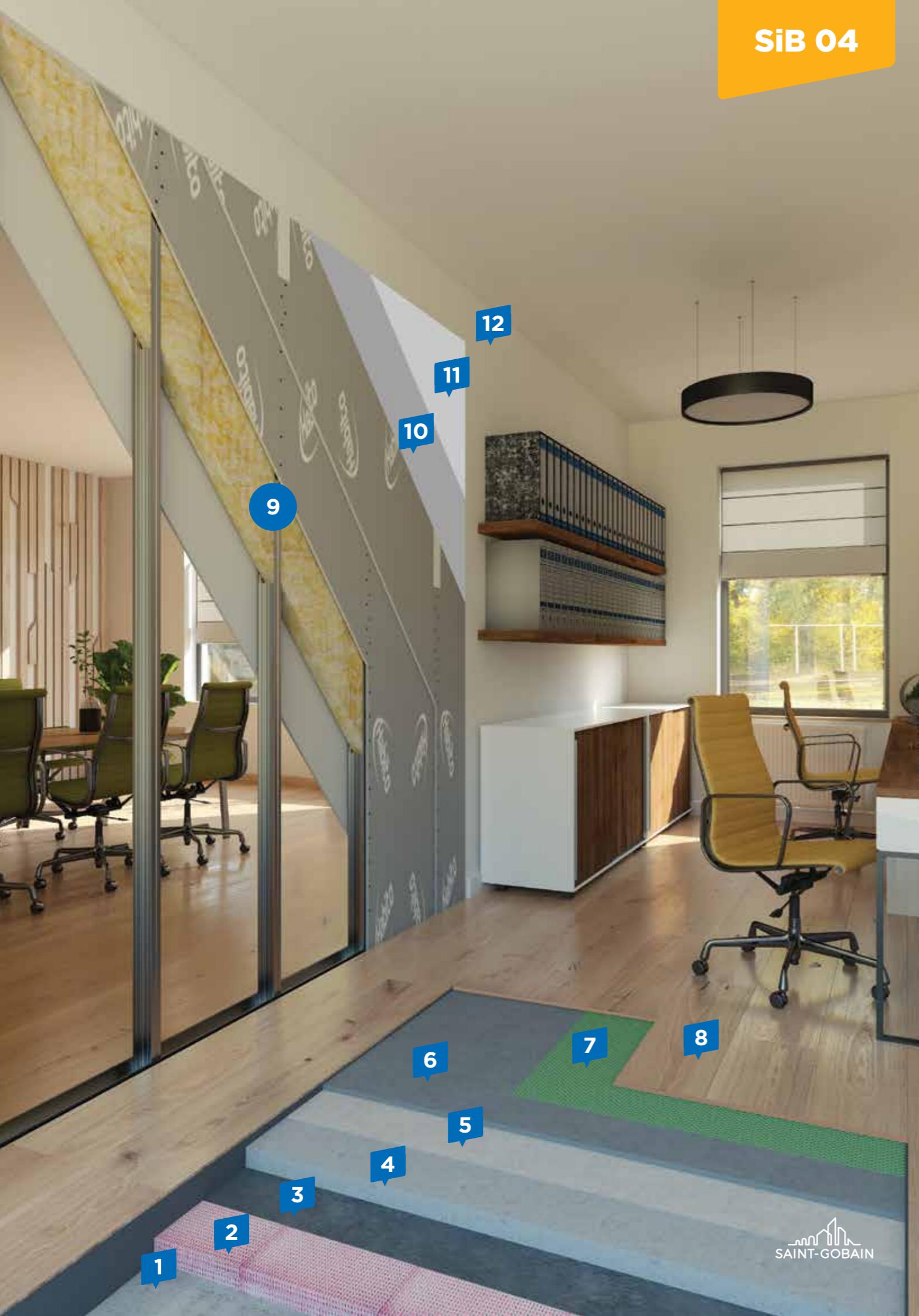
5 Demountable suspended ceiling with ceiling tiles, on metal structure of T-profiles - code 4.07.50:75

Demountable suspended ceiling under reinforced concrete slab, made on metal structure of T-profiles and composed of:

- Quick-Lock perimeter profile
- Quick-Lock T24/38 main profile
- Quick-Lock T24/38 secondary profile
- Quick-Lock T24/38 partitioning profile
- Hanger system - Rigips eye rod
- Rigips rod extender
- Hanger rod with hook - Rigips
- Isover AKUSTO 50 mm mineral wool (optional)
- Plasterboard ceiling tiles from the Gyptone® range - 600 x 600 mm



EPD only for the following products: Gyptone® ceiling tiles; Isover AKUSTO; ECOPHON AKUSTO™ panels; DIAMANT®



SiB 04

Lightweight partition walls made of Habito® boards, suitable for suspending furniture. Installation of moderate traffic flooring



Thermal
comfort



Easy to
install



Mechanical
resistance



Comfort



Reduced
costs

1 Substrate - reinforced concrete slab.

2 XPS (extruded) polystyrene thermal insulation.

3 Polyethylene film to protect against the cement laitance that may form when pouring the leveling screed.

4 weber D10

Leveling screed. Cement-based dry mix with mineral additives and synthetic resin content. Applicable in thicknesses of 20-50 mm. Recommended to be reinforced.

5 weberprime bond

Ready-mixed, concentrated universal primer, used to even out the water absorption of substrate in order to obtain high adhesion surfaces.

6 weberfloor home

Quick self-leveling screed. Mortar based on mineral binders and modified polymers, with additives, which give it optimal leveling properties without the risk of shrinkage. Applied in thicknesses of 2-30 mm.

7 Substrate for floating floor made of three-layer parquet (PU + PET film).

8 Three-layer parquet.

9 Partition walls with HABITO® plasterboards - code 3.40.04-06 Ha

Non-bearing partition wall on single metal structure UW/ CW 75, composed of:

- Rigiprofil® UW75 guide rail + Rigips sealing tape
- Rigiprofil® CW75 upright profile
- Isover AKUSTO 50 mm mineral wool (optional)
- Habito® 12.5 mm plasterboard - double-layer installation
- HartFix self-tapping screws
- Rigips joint reinforcement tape
- Rigips® VARIO joint filler

10 Rigips® Super TOP

White, gypsum-based ultra-fine finishing plaster designed for finishing plasterboard surfaces, as well as pre-leveled interior walls and ceilings (interior plasters or base coats) applied mechanically (with airless pumps) or manually in thicknesses up to 1 mm, in one or more layers.

11 Rigips® PRIME

Concentrated universal primer based on special organic dispersion for absorbent surfaces.

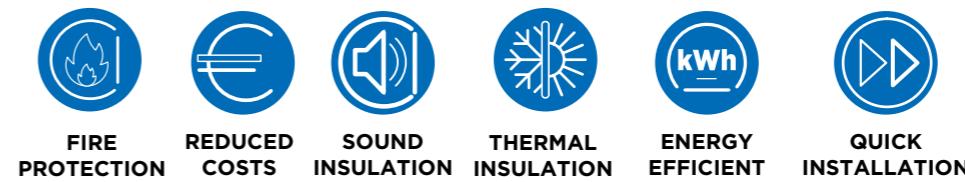
12 Washable paint for protection and decoration of interior surfaces.



EPD only for the following products: HABITO® boards; Isover AKUSTO



SeB 01



1 Substrate - BRICK masonry wall.

2 weber KL15

Brick masonry mortar. Gray cement-based powder with quartz sand and synthetic resins. Easy to work with, offering high compressive strength and good adhesion to the substrate.

3 Isover OPTI VENT NT

Basalt mineral wool boards suitable for use in ventilated facade systems.

4 Isover EASY ANCHOR NT + Isover ANCHOR XL 140

Polypropylene insulation dowel with metal pin for mechanical fastening of basalt mineral wool boards. Can be used together with the **Isover ANCHOR XL 140 flange**.

5 VENTILATED FACADE

Precast finishing elements for ventilated facades.

SeB 01

Fațadă ventilată cu elevator exterior din sticlă

6 COOL-LITE® XTREME

Three-layer Ag glass with the highest selectivity on the market. Products in this range offer the maximum ratio between sunlight and protection against overheating. This has the following benefits:

- advanced thermal insulation
- solar control - reflects much of the sun's energy
- high daylight transmission
- neutral and modern exterior aesthetic
- from the inside, reproducing ambient colors close to unobstructed view

STADIP® /STADIP® PROTECT

Laminated safety/security glass. Laminated safety glass offers:

- protection against the risk of people falling through voids
- protection against vandalism and burglary
- UV protection.



2



3



4



EPD only for the following products: STADIP® /STADIP® PROTECT

THERMAL
INSULATIONENERGY
EFFICIENTREDUCED
COSTS

- 1 Substrate - Self-supporting, corrugated metalsheet.
- 2 Isover STRIPS made of trapezoidal insulating mineral wool
Leveling and smoothing role for the substrate and to eliminate thermal bridges.
- 3 VAPOR BARRIER
Vapor barrier made of PE film.
- 4 Isover PROFI TERRASSE S
Thermal insulation made of basalt mineral wool boards. Designed for thermal insulation, sound insulation and fire protection of roof terraces. It can be installed as top or middle layer over other products from the PROFI TERRASSE range.
- 5 ANCHORS for fastening thermal insulating layers.

- 6 PVC waterproofing membrane.
- 7 Substrate - thermal insulation sandwich panel.





CLIMATE CHANGE AND THE SAINT-GOBAIN APPROACH

Climate change is a reality and is proven by unequivocal scientific evidence. It poses a threat to human life and the health of the planet, with multiple economic, social and geopolitical consequences. The only action that can rebalance the scales is to decarbonize the world economy by drastically reducing global greenhouse gas emissions.

The goal set by 194 countries plus the European Union by signing the 2015 Paris Agreement is to keep the increase in global average temperature well below 2°C above pre-industrial levels and to continue efforts to limit the temperature rise to 1.5°C. Achieving the goals of the Paris Agreement is at the heart of the "European Green Deal" of December 11, 2019. The EU is committed to reducing economy-wide net greenhouse gas emissions by at least 55% by 2030 compared to 1990 levels. At global level, each country's progress is monitored annually by the UN Environment Program's Emissions Report, which measures the

difference between targets and reductions achieved. The 13th report published at the end of 2022, entitled "The Closing Window", shows that the results are far below expectations. Unless the pace of cuts in greenhouse gas emissions is accelerated, the average temperature is projected to rise by 2.8°C by the end of the century, a climate disaster.

Saint-Gobain officially supports the 1.5°C cap target. To this end, the Group aims to reduce its own operational CO₂ emissions by 33% by 2030 compared to 2017. For 2050, the goal is carbon neutrality. In this respect, there is a permanent concern to streamline the sourcing, production and delivery processes by identifying alternative raw materials as close as possible to the industrial sites, increasing the recycled content in products and packaging and investing in new, less polluting technologies using energy from renewable sources.





CLIMATE CHANGE AND THE SAINT-GOBAIN APPROACH

The construction sector is responsible for 40% of energy consumed and 38% of direct and indirect energy-related greenhouse gas emissions, two thirds of which is operational carbon and one third embodied carbon. In the EU, heating, cooling and domestic water account for 80% of household energy use. Embodied carbon refers to the amount of CO₂ embedded in the materials used to construct and maintain a building throughout its lifetime: extraction of raw materials, sourcing, production, delivery, construction, demolition and waste disposal or recycling. Operational carbon refers to the emissions generated by energy consumption for the use of the building: heating, ventilation, lighting, etc.

- Embodied carbon together with operational carbon represents the carbon over the lifetime of the building.
- It is projected that by 2050, for new buildings, embodied carbon will account for 50% of total emissions and operational carbon for the remaining 50%.
- In Saint-Gobain's vision, when designing a new building or renovating an existing one, the least possible environmental impact should be considered while maximizing the benefits for people. Increasingly, architects and designers are paying more and more attention to the wellbeing of future occupants, which is generated by a healthy indoor environment. On the other hand, caring for people also means better working conditions for construction workers, health, safety and security on construction sites.



SUSTAINABLE AND EFFICIENT SOLUTIONS FROM SAINT-GOBAIN

- Saint-Gobain offers a wide range of solutions for new buildings, for renovation, but also for streamlining industrial processes.
- The Group's ambition is to deliver solutions that combine performance with sustainability to meet customer needs and accelerate the transition to a decarbonized economy. The solutions offered are evaluated from several points of view along the entire value-adding chain, all the way to the end beneficiary. There are criteria to measure the environmental impact, comfort, health and well-being generated by the implementation of solutions, but also performance, productivity and financial savings.

CRITERIA FOR MEASURING ENVIRONMENTAL IMPACT

- Low operational carbon – 'energy efficiency first', use of green energy.
- Embodied carbon footprint reduction.
- Increasing the lifespan of the building.
- Reducing construction and demolition waste.
- Optimizing the use of natural resources, including water.



CRITERIA FOR MEASURING HEALTH, COMFORT, WELL-BEING

- For the construction phase: safety and security in use, ergonomics, improved working conditions.
- For the operation phase: indoor air quality, acoustic comfort, thermal comfort, visual comfort.



PERFORMANCE AND PRODUCTIVITY MEASUREMENT CRITERIA

- Building efficiency from the design stage.
- Streamlining the construction process – reduced construction time.
- Financial savings.
- Cost optimization over the lifespan of the building.
- Optimizing end-of-life costs of the building.



In 2022, 73.9% of Saint-Gobain's total global revenues came from the sale of sustainable solutions, with the target to reach 75% by 2025. If we translate these figures into avoided CO₂ emissions in the buildings where these solutions were used, we get 1.3 million tons.

- Life cycle assessments are carried out to measure the environmental impact of Saint-Gobain's solutions that are translated into Environmental Product Declarations (EPDs). This not only communicates the environmental performance of products and solutions in a transparent way, but also identifies opportunities for innovation and continuous improvement of the offer.
- Environmental product declarations are essential for assessing the sustainability of buildings. They show the impact on global warming, the consumption of non-recyclable and non-renewable resources, energy and water, and the amount of waste generated from the time the raw material is extracted until the building is demolished. These documents provide comparable data between products of the same category, the information being verified by an external certified body.
- Environmental product claims are used in the selection of green building solutions to be certified (e.g. LEED® - Leadership in Energy & Environmental Design or BREEA® - Building Research Establishment's Environmental Assessment Method), as they provide quantitative information about the impact of products and contribute to the accumulation of credits (points) for the final score.



1.1 SOLUTIONS TO INCREASE ENERGY EFFICIENCY

- In Saint-Gobain's vision, a building must first and foremost be energy efficient through the performance of its envelope. Energy consumption for heating, ventilation or lighting is therefore low and should come from renewable sources. This principle applies both to renovation work to make existing buildings more energy efficient and to the design of new buildings, which should have near-zero energy needs.

HOW CAN WE INCREASE A BUILDING'S ENERGY EFFICIENCY?

By using:

- Envelope thermal insulation to reduce heat loss in winter and avoid overheating in summer
- Windows to maximize natural daylight
- Envelope sealing and moisture control
- Smart technologies to monitor and control energy consumption
- Efficient heating and ventilation equipment



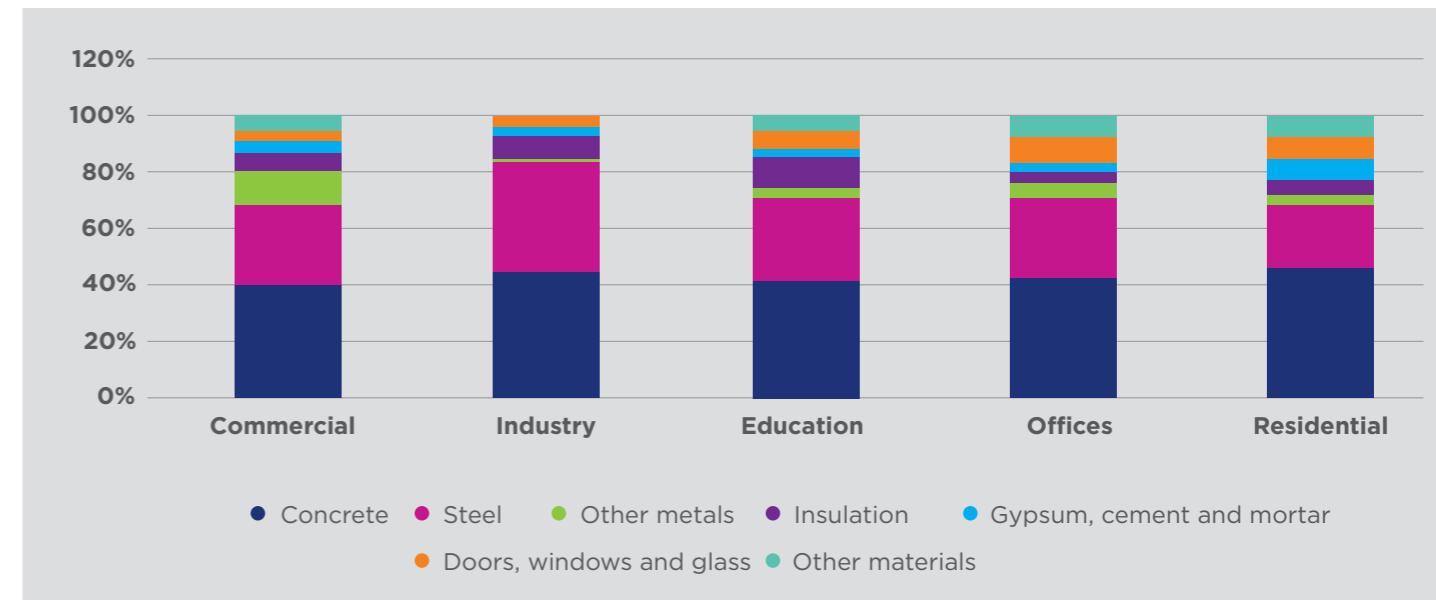
EXAMPLES OF SAINT-GOBAIN SOLUTIONS

- Isover thermosystem (ETICS)
- Vario system with intelligent membranes for sealing and moisture control
- Glass with optimal transparency and thermal insulation properties - use of Calumen Live for solution design and product selection
- Glass and basalt mineral wool for insulating sloped roofs and terraces



1.2 EMBODIED CARBON FOOTPRINT REDUCTION SOLUTIONS

- The share of embodied carbon in a building's total emissions will increase steadily over the coming period. Of the total embodied carbon, 4 building materials account for the largest share: concrete, steel, aluminum and plastic, representing between 75-85% depending on the type of building. Insulating materials, doors, windows and other glass products, plasterboard, mortars and gypsum plasters account for 8-15%



HOW CAN WE DECREASE EMBODIED CARBON?

- Decarbonizing sourcing, production and delivery processes
- Increasing recycled content in products and packaging
- Use of alternative low-carbon raw materials
- Lightweight construction



EXAMPLES OF SAINT-GOBAIN SOLUTIONS

- Glass and mineral wool with high recycled content (e.g. shards)
- ORAE low carbon footprint glass
- Using low-carbon cement to make mortars
- Lightweight construction solutions - the alternative to traditional construction including high carbon footprint products.



LIGHTWEIGHT CONSTRUCTION

- Lightweight construction is emerging as the future solution for buildings that meet economic, social and low environmental impact requirements. These buildings are about more than lightweight materials, it's about a change of mindset, a new vision of the whole life cycle of the building.
- With the planet's population expected to reach 9 billion by 2050, there is a need to find ways to build homes for everyone, but taking into account the challenges of the environment, economy and society.
- The principle of lightweight construction is simple: use of wood, metal or concrete to create lightweight frames that reduce environmental impact and optimize resource consumption. In addition, there is also a need to rethink the design and construction in order to reduce the weight of the building as a whole. In a traditional structure, the massive walls are load-bearing, using heavy materials - bricks, AAC, cement, etc. In lightweight construction, the frames are load-bearing, carrying the weight of the lightweight exterior walls and non-load bearing partition walls. The focus is on the load-bearing structure, which implies a longer design time, but faster and easier execution.
- Precast elements can be used in such a construction. This involves assembling previously produced building components on site. This improves working conditions on the construction site, increasing flexibility and decreasing construction time. For example, in Catalonia, a 108-bed hospital made of precast modules was built in 4 months compared to 4 years for a traditional construction.
- In the US and Scandinavia, lightweight construction is widespread. It's time to understand the benefits of this type of buildings as a solution to today's multiple challenges. In addition to low erection time, lightweight constructions can also be easily modified, extended or even demolished, while also offering superior interior comfort.

A DYNAMIC MARKET FOR SAINT-GOBAIN



40%
of the Group's sales



From **2** to **3** times
more products

Arguments in favor of
lightweight walls

CONSTRUCTION TIME

- Differentiated construction time plays an important role in the carry out of a project. A working time of about 1-2 days can be estimated for lightweight partition walls made of plasterboard, compared to about 7-8 working days for brick masonry walls. A brief comparison of the Total installation costs (materials + labor) between a masonry wall and a plasterboard wall leads to indicative cost savings of up to 25%* in favor of the lighter walls.

* The percentage estimate is derived by calculation, based on the product price/labor ratio and may be influenced by market dynamics.

SUSTAINABILITY (arguments)

- Lighter materials - lower logistic cost implementation (lower cost resulting from volume & weight ratio)
- Recycling can be a major argument in the favor of using these solutions of plasterboards made partition walls

PERFORMANCE

- As lightweight plasterboard walls are less expensive to build and manufacture, they offer higher performance partitioning solutions!!

No.	Type of masonry system	Finished wall thickness	Product thickness	Plaster thickness	Skim coat thickness	Weight (kg/sqm)	Sound insulation (dB) <i>Rw</i> *	Masonry density (kg/m³)
1	Interior brickwork	14,5 cm	12 cm brick	(1 cm/ face)x2	(2,5 mm/face)x2	131	40(-1,-4)	780
2	Interior brickwork	17,5 cm	15 cm brick	(1 cm/ face)x2	(2,5 mm/face)x2	155	42(-1,-5)	780
3	Brick masonry between ap	26,5 cm	24 cm brick	(1 cm/ face)x2	(2,5 mm/face)x2	225	48(-1,-5)	780
4	Brick masonry between ap	27,5 cm	25 cm brick	(1 cm/ face)x2	(2,5 mm/face)x2	233	49(-2,-5)	780
5	Interior AAC masonry	12,5 cm	10 cm AAC	(1 cm/ face)x2	(2,5 mm/face)x2	87,5	40(-2,-3)	500
6	Interior AAC masonry	17,5 cm	15 cm AAC	(1 cm/ face)x2	(2,5 mm/face)x2	113	41(-1,-4)	500
7	Interior AAC masonry	27,5 cm	25 cm AAC	(1 cm/ face)x2	(2,5 mm/face)x2	163	45(-1,-5)	500
8	Plasterboard wall CW75 1 x RB (50 mm/13)	10,2 cm			(1 mm/face)x2	23	44(-3,-9)	
9	Plasterboard wall CW50 2 x RB (50 mm/13)	10,2 cm			(1 mm/face)x2	44	50(-8,-17)	
10	Plasterboard wall CW75 1 x FONIC (50 mm/13)	10,2 cm			(1 mm/face)x2	27	50(-7,-15)	
11	Plasterboard wall CW50 2 x (1 x Habito® + 1 x RB)	10,2 cm			(1 mm/face)x2	44,3	52(-7,-16)	
12	Plasterboard wall CW75 2 x (1 x Habito® + 1 x RB))	12,7 cm			(1 mm/face)x2	47	56(-2,-7)	
13	Plasterboard wall CW75 2 x Habito® (75 mm)	12,7 cm			(1 mm/face)x2	54	60(-2,-6)	

* *Rw* - analytically estimated airborne sound insulation index

FINAL REMARKS:

- Plasterboard walls are less expensive than wet construction walls (traditional masonry or AAC)
- Their dry installation does not result in residual moisture in the construction
- Installing lightweight walls on a metal structure is much easier and cleaner than wet systems
- In addition to reducing construction time, it also limits finishing and cleaning time throughout the project
- Plasterboard walls have superior sound and thermal insulation parameters compared to solid walls
- The solution with Habito® double layer cladding partition wall far exceeds the performance of a solid masonry wall with a thickness of about 12 cm unfinished, and can only be compared in this respect with a masonry wall with a thickness of more than 24 cm - at least in terms of sound insulation parameters. The latter, of course, comes with much higher financial costs and weight, additional execution times and more limited actual space obtained (the useful space within the project)
- The wall surfaces do not require any further processing. After fitting and reinforcing and grouting the joints, their surface can be painted or coated
- The much lower weight compared to massive walls can also lead to a lower live load of the building, which can also translate into better seismic behavior
- The plasterboard solutions are configured and certified in accordance with the standards in force!

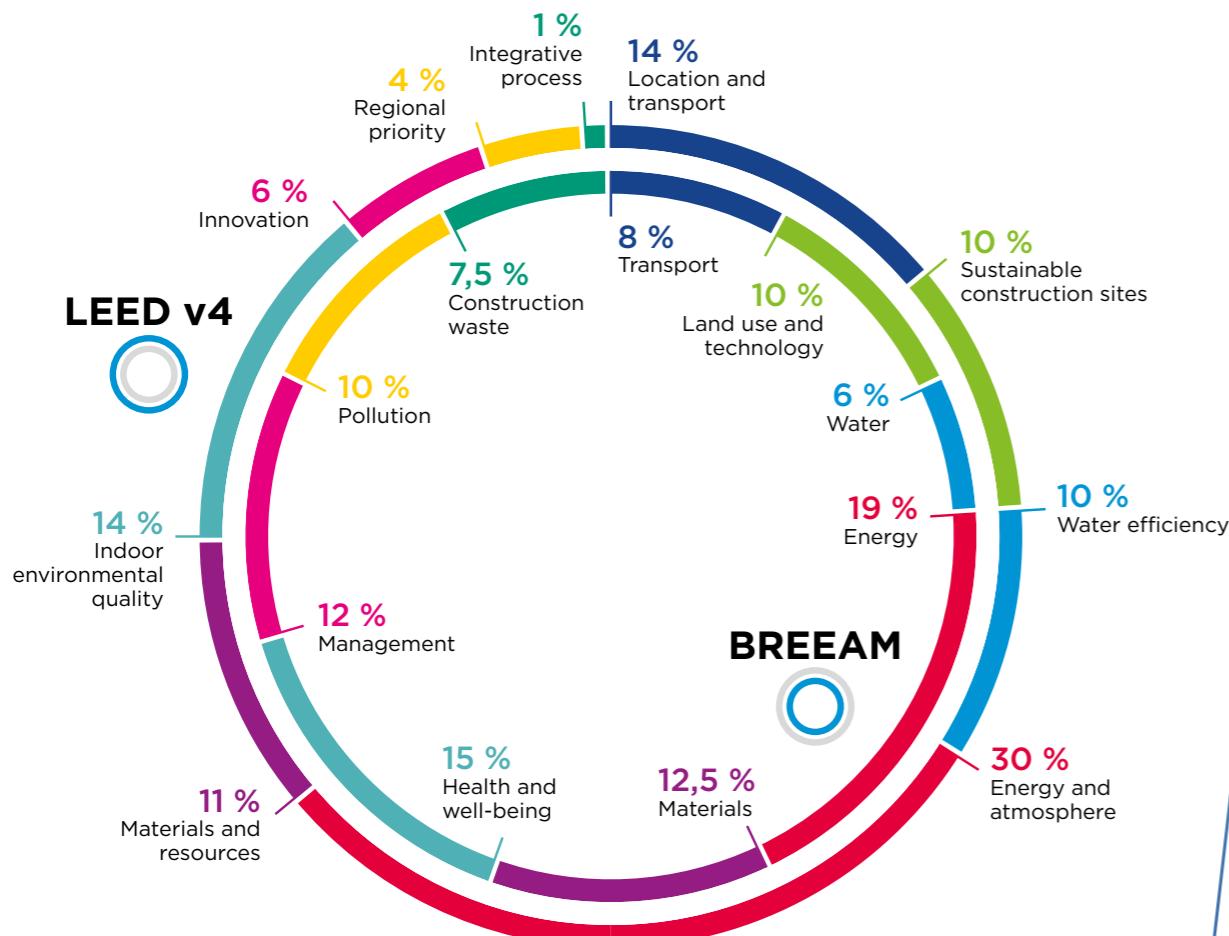
ENVIRONMENTAL IMPACT ASSESSMENT OF BUILDINGS

- Buildings can be assessed in terms of their environmental impact, but also from a social point of view. By obtaining a voluntary certification, it demonstrates that all legal building regulations have been complied with, but also that the environment, health and safety of future occupants have been taken into account, providing them with a high degree of comfort.



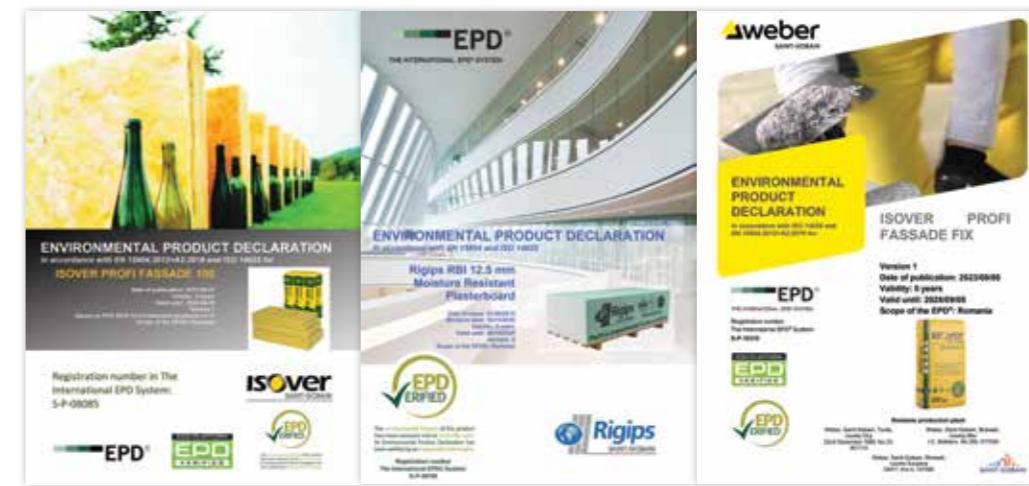
GLOBALLY RECOGNIZED CERTIFICATION SYSTEMS

- LEED® and BREEAM® are the most widespread building certification systems (in terms of environmental impact). Both systems use nine credit-based assessment categories, with different weights. BREEAM® was established in 1990 in the UK, where most buildings are certified. LEED® was created 10 years later in the US and has been successful globally.
- LEED® (Leadership in Energy and Environmental Design) certification is an internationally recognized standard for the design and construction of sustainable and environmentally friendly buildings. It is a quality certification providing a set of criteria for the design, construction, operation and management of green buildings.
- BREEAM® (Building Research Establishment Environmental Assessment Method) is a design standard that emphasizes building sustainability. It is the oldest and currently the most widespread certification for energy efficiency and sustainability in buildings. BREEAM® addresses the design, construction and operation of the building, using clear criteria to measure performance.



MATERIALS AND NATURAL RESOURCES

- Both certification systems operate with credit-points that are awarded for meeting certain criteria. A separate category of criteria concerns the production of the construction materials used. Emphasis is placed on minimizing energy consumption and environmental impact in relation to the processes of raw material extraction, processing, transport and disposal.
- MRC2 and Mat 01**
- Building's Life Cycle Assessment (LCA)/Environmental Product Declaration (EPD)**
- Checking and optimizing construction materials.
- This credit category focuses on minimizing the energy consumed and other impacts associated with the extraction, processing, transport, maintenance and disposal of construction materials.
- The requirements are designed to support a lifecycle approach that improves performance and promotes resource efficiency.
- Most Saint-Gobain products marketed in Romania have product-specific environmental declarations, based on a detailed LCA analysis, in the "cradle to grave" field, verified by a third party certification body.



THE LEED V4 MRC2 CERTIFICATION SYSTEM CAN BE OBTAINED:

- One full point for EPD/LCA documentation for at least 20 different products and at least five suppliers that meet one of the following conditions: Third party verified product specific EPDs compliant with ISO 14025, 14040, 14044 and EN 15804 or ISO 21930 in the "cradle to grave" field.
- Half a point for generic, third-party verified EPDs that comply with the above standards but apply collectively to a specific product group.
- Similarly in the BREEAM Mat 01 system, a point can be obtained for EPD/LCA.

MRc3 and Mat 03 Production and sources of raw materials

- Sourcing raw materials / Responsible sourcing of construction products
- Production of materials, proof on raw material sourcing and green production practices.
- There are two ways to get this credit.
- The first option is to have Corporate Social Responsibility (CSR) reports issued by a third party covering the impact on the environment, mining and downstream production, and the impact associated with the supply chain.
- The second option is to use products with high recycled material content. Saint-Gobain provides Recycled Content Declarations for many of the products it sells (e.g. glass, mineral wool, plasterboard, etc.)

MRc6**Materials and Resources – ingredients of materials**

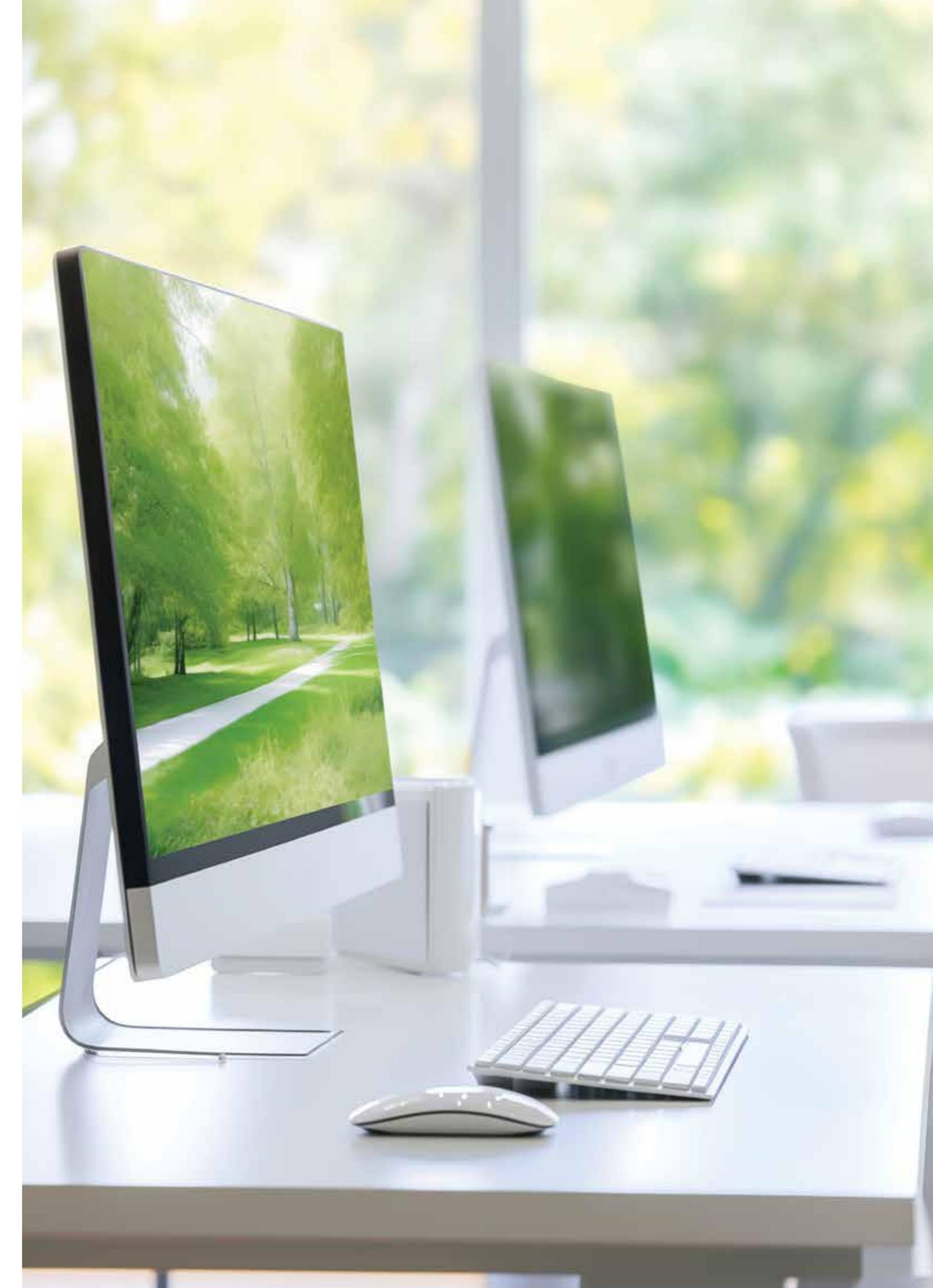
- The use of products and materials with a favorable environmental, economic and social impact is encouraged.
- Project teams are rewarded for selecting:
 - products for which the chemical ingredients in the product are inventoried using an accepted methodology,
 - products checked to minimize the use and generation of harmful substances,
 - raw material producers marketing certified products for an improved lifecycle impact.

Option 1**Reporting material ingredients (1 point)**

- Use a minimum of 20 different permanently installed products from at least five different manufacturers using any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1,000 ppm).

Option 2**Optimization of material ingredients (1 point)**

- Use at least 5 permanently installed products from at least three different manufacturers. Products can be assessed according to the criteria below:
 1. Action plan for assessing and optimizing material ingredients.
 2. Advanced inventory and valuation at least 0.01% of product weight.
 3. International Compliance Alert – REACH Report prepared by the manufacturer (1 point).
- Optimizing REACH: Manufacturers must provide a REACH compliance document that validates the full product inventory at the 100 ppm level and assesses all substances in the end-use product without ingredients listed on any of the three REACH lists (Authorization List – Annex XIV, Restriction List – Annex XVII and SVHC list).
- Extra credit if the extraction of raw materials, production and purchase of the product takes place in the vicinity of the project (160 km).







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