STANDART INSULATION INDUSTRY AND TRADE INC.
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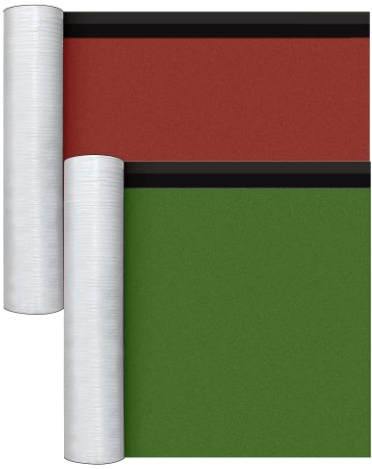
PRODUCT TECHNICAL DATA SHEET

SIMSELF MINERAL COATED MEMBRANE (SELF-ADHESIVE)

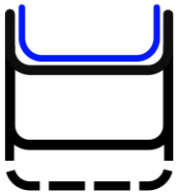


SIMSelf Mineral Coated Membrane (Self-Adhesive) is made of polymer-bitumen material, with one side coated with colored mineral and the other side featuring a removable polyethylene film. It has self-adhesive properties and includes polyester felt reinforcement for resistance to mechanical stresses.

Areas of Usage

On the terrace and sloped roof surfaces of all structures;

SLOPED ROOF



TERRACE

- On all surfaces such as wood, metal, plastic, glass, plaster, and concrete,
- In its challenging details, such as the wall, parapet, chimney base, eaves, crown, and defensive wall,
- On non-walkable terraces and garden roofs,
- On domed and vaulted roofs,
- In pavilions, garden sheds, and canopies,
- In the deck covering waterproofing of boats,
- In various details for sound insulation purposes in industries such as automotive and home white appliances,
- SIMSelf-Adhesive Mineral Coated Membranes can be easily used, especially in areas where the use of LPG (liquefied petroleum gas) and torch flames are not possible or is dangerous. Its self- adhesive property allows it to be applied using the cold application method. This makes it particularly suitable for renovation projects of historical buildings.

It can be used as the final layer in many waterproofing details, providing economical and aesthetic solutions.

Advantages

- It provides a perfect and effective waterproofing solution with its waterproofing properties.
- With its self-adhesive property, it provides excellent adhesion to the surface it is applied to. It is a high-performance material that offers waterproofing solutions for various surfaces such as wood, metal, plastic, glass, plaster, and reinforced concrete.
- The colored minerals on the SIMSelf Mineral Coated Membrane protect the membrane from ultraviolet rays, high temperatures (melting), and low temperatures (cracking), extending its lifespan. This feature provides an ideal solution for applications that require top-layer UV resistance.
- Its flexible structure allows for easy application on sloped and curved surfaces, effortlessly conforming to the shape of the applied surface.
- With its tensile strength in both the transverse and longitudinal directions, it demonstrates more than enough elasticity required for application. It is highly resistant to structural movements and expansion differences, providing excellent durability.
- It provides an economical and practical solution. With its self-adhesive property, it is very easy and quick to apply. It can be cut to the desired size and shape using special cutting knives.

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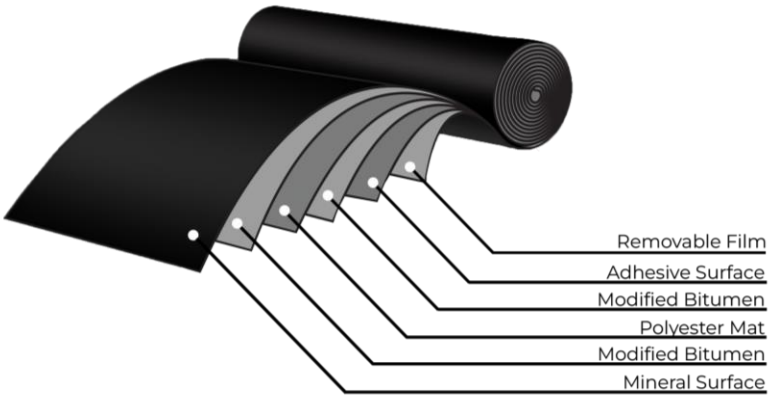

Storage

- Bituminous membranes should be stored vertically in enclosed spaces.
- Pallets should be stored without stacking on top of each other and should be stored in a single layer.
- They should not be exposed to direct sunlight and should be protected from sudden temperature changes.

FEATURES	UNIT	TEST METHOD	SP 30 AR	SP 40 AR
Reinforcement (Carrier)			Polyester	Polyester
Weight	kg/m²	-	3	4
Roll Width	m(±0,2)	EN 1848-1	1	1
Roll Length	m(±0,2)	EN 1848-1	10	10
Visible Defects		EN 1850-1	None	None
Joint Slip Resistance	N/5cm	EN 12317-1	≥300	≥300
Heat Resistance	C°	EN 1110	≥110	≥110
Tensile Strength (Length/Width)	N/5cm	EN 12311-1	400/300	600/400
Elongation at Break (Length/Width)	%	EN 12311-1	30/30	30/30
Tear Resistance (Length/Width)	N	EN 12310-1	≥150/≥150	≥150/≥150
Static Load Resistance	kg	EN 12730	≥15	≥15
Impact Resistance	mm	EN 12691	≥1500	≥1500
Dimensional Stability	%	EN 1107-1	Max. 0,6	Max. 0,6
Fire Reaction	Class	EN 13501-1	E	E
Top Coating			PE	PE
Back Coating			Removable Film	Removable Film

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Application

- Bituminous waterproofing membranes should be applied after being kept covered at the application site for 24 hours. (Conditioning)
- Waterproofing applications with bituminous membranes should be carried out at temperatures between a minimum of +5°C and a maximum of +35°C and above, in dry weather conditions and on dry surfaces. For applications at temperatures below +15°C, the use of a heat gun is recommended.
- After removing the polyethylene film layer on the underside of the SIMSelf Mineral Coated Membrane, the membrane is ready for application. The surfaces to be waterproofed should be clean, smooth, and free from any contaminants such as oil, diesel, or other debris that could impair the waterproofing performance.
- Reinforced concrete surfaces should be primed with SIM Primer and, after drying, the waterproofing membranes should be applied according to the required bonding method.
- All membrane layers should be laid in the same direction. The transverse joints of the first layer membranes should be staggered. The joints of the second layer membranes should be centered over the longitudinal and transverse joints of the first layer.
- The bituminous membrane should be laid with a 10 cm overlap along the width and a 15 cm overlap along the length. Then, the polyethylene film layer on the top surface of the membrane is removed, and the second layer of material is applied using the cold application method.

Standards / Certifications

CE