SOPRAGUARD BOND HT

DESCRIPTION

Sopraguard Bond HT is an adhesive-sealant specially designed to bond Sopraguard EPDM membranes to each other and to different substrates. Suitable for other EPDM membranes.

Adhesive sealant with elastic final state, single-component, neutral curing, odorless, without solvents, silicones or isocyanates. Weather resistant, consistency suitable for application with a mastic gun and the possibility of smoothing with a spatula. Its hybrid technology allows the adhesion of EPDM membranes even in wet conditions.

ADVANTAGES

- Excellent adhesion without primer.
- High mechanical properties and bond strength (optimal after 7 days).
- Quick and easy to apply.
- It is applied to one side only.
- Resistant to atmospheric agents (weather, ozone, UV radiation, night condensation, rain, etc ...)
- Adheres to common construction surfaces.
- Fast cure with minimal shrinkage.
- Free of solvents, silicones and isocyanates. Very low VOC content.
- Supports large temperature fluctuations, from -40º to + 90º
- Applicable under water.
- Paintable (pre-test required).
- Exterior and interior use.

FIELDS OF APPLICATION

- Union between Sopraguard EPDM membranes and others on the most common substrates used in construction, both vertically and horizontally (concrete, fiber cement, brick, aluminum, steel, metalwork and other clean, porous and non-porous materials).
- Installation, Sealing and Repair of EPDM waterproofing membranes used in roofs, facades, reservoirs, tanks, channels and conduits.
- Repair of fissures, cracks and joints.
- Application on wet surfaces both indoors and outdoors.
- It can be used on slightly uneven surfaces.
- On special surfaces or other waterproofing membranes consult the Soprema technical department.

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APPLICATION INSTRUCTIONS

- With a manual, pneumatic or electric mastic gun, trying to keep the nozzle at the same height and inclination throughout the entire bead, in order to avoid air occlusion (bubbles) and achieve homogeneity of adhesion.

- The fresh product can be easily removed (in hands, tools or supports) with alcohol or solvent. Once cured, it can only be removed mechanically.
- It is recommended not to use Bond HT on surfaces that may give off oils, plasticizers or solvents.
- Paintability: due to the great variety of existing paints and varnishes, we recommend a compatibility test beforehand.

Splicing EPDM membranes

- Requires a minimum overlap of 100 mm and two continuous parallel beads of Bond HT, one next to the inner edge and one to the outer edge, applied to one side.
- Nozzle cut diameter 7-8 mm.
- Full contact of the two beads with the two membranes must be ensured under the overlap, using the system's silicone roller to smooth the beads, applying light pressure to maintain a bead thickness of 2-3 mm (minimum 1mm).
- Avoid stresses on the splice during the first 7 days.

Bonding EPDM to substrate

- The substrates on which Bond HT is applied must be clean, free of dust, grease, loose particles and other contaminants that could cause adhesion deficiencies such as release agents.
- In unusual substrates it is recommended to carry out a prior compatibility and adhesion test or consult our technical department.
- The application temperature on the substrate and the EPDM membrane must not be lower than +5 ºC.
- Nozzle cut diameter 8-10 mm depending on the porosity or roughness of the substrate material.

PRESENTATION, STORAGE AND SHELF LIFE

	SOPRAGUARD BOND HT
Presentation	It is presented in 290 ml cartridges.
Storage	It is recommended that the product is stored at a temperature between 5 ºC and 25 ºC and protected from direct sunlight.
Shelf Life	Shelf life of 12 months if the product is in its original closed packaging.

RISKS FOR THE USER

- Avoid contact with skin and eyes.
- The use of gloves and safety glasses is advisable.
- Keep out of the reach of children.
- Product safety information is available on the Safety Data Sheet (SDS).

COVERAGE

Width (mm)	Bead thickness (mm)	290 ml Cartridge coverage (meters)
8	3	**12,5**
10	3	**10**
15	3	**6,5**
20	3	**5**

TECHNICAL SPECIFICATIONS

Density	(ISO 2811-1)	Approx. 1,62 g/ml
Loss of tack	(OQ.06-internal)	15 min. (at 23 ºC; 50% RH)
Skin formation	(OQ.16-internal)	45 min. (at 23 ºC; 50% RH)
Deep curing	(OQ.18-internal)	2-3 mm/24 h. - 6-7 mm / 7 days
Solvents content		0%
Loss of volume	(ISO 10563)	< 3%
Contents of VOC	(SCAQMD rule 1168)	< 20 g/liter
Shore A hardness	(ISO 868)	Approx. 47
Application temperature		+5 ºC to +40 ºC
Service temperature		-40 ºC to +90 ºC
MECHANICAL PROPERTIES		
ISO 37 (2 mm thickness, S2 specimen, 7 days curing at 23 ºC; 50% RH)		
Elastic module 100%		1,00 MPa
Maximum tension		1,50 MPa
Elongation at break		>500 %

These values may vary depending on environmental factors such as temperature, humidity and type of support. The time to full cure can be extended to lower temperatures, lower humidity, or increased bead thickness.

ENVIRONMENTAL REGULATIONS
VOC emission (French regulation): A+ Class
According to LEED® IEQ-4.1- (Indoor Environmental Quality) Adhesives and sealants.

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