

Technical Commercial data Sheet

RENOVER

Waterproofing bitumen polymer membrane for rebuilding



- Single layer application
- Keep the previous membrane after checking the status
- Quality and speed in the application
- Reduce manpower and gas need
- Environmental and disposal savings



Length	8 m - 1% (UNI EN 1848-1)	Tol. ≥
Width	1 m - 1% (UNI EN 1848-1)	Tol. ≥
Thickness	4 mm (UNI EN 1849-1)	Tol. 0,4 mm

Description

RENOVER is specially designed for the refurbishment of roofs where there is an old bitumen membrane at sight.

The lower side is made with a specific SBS elastomeric compound which ensures high adhesion, high cold flexibility, so as other adhesion promoters to fix slate and standardize the installation surface are generally not needed.

The upper side is made of APAO innovative compound, developed to allow high application efficiency, strong reduction of unsightly footprints during the application and excellent resistance to UV rays.

The reinforcement is constituted by non-woven fabric of polyester able to give excellent performance and stability in application and high mechanical strength in the life of exercise of the membrane.

The self-protection in durable slate with a selvage of 10 cm, suitable for proper and safe application, if required, may be reflective white, with consequent benefits of reduction of the temperature of the surface coverage, lower costs for air conditioning in summer, protection of underlying structures from fluctuations in day / night temperature.

The RENOVER 4 mm P TEX has the "TEX" finishing with "DECOTEX" treatment, consisting in the application on the upper face of a special black tissue.

Application

- Use PPE required by law;
- Clean adequately support and assess the conditions. The possibility of this operation is to be assessed on a case by case basis, after careful analysis of the hedge and the underlying layers by coring sample;
- RENOVER is designed to restore the waterproofing bitumen membranes at the end of their life cycle, which covers the lower layers are well welded to the floor and do not have interstitial infiltration;
- RENOVER is suitable to be applied to flame by heating with a propane torch of the lower face coated with a special hot-melt film;
- Always apply between +5 ° C and +35 ° C;
- Refer to the instructions on www.bituver.com.

Recommended uses

RENOVER MINERAL membranes can be used as a waterproofing single-layers or top layers.

RENOVER TEX membranes can be used as a waterproofing single-layers or top layers or as middle layer.

Storage

Keep the rolls in warehouse, not exposed to the sun rays and at a higher temperature than +5°C. Keep the rolls in the upright position. If possible, avoid stacking pallets, especially with slated membranes. It is advisable to use the product within 2/3 months from delivery.



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Saint-Gobain PPC Italia S.p.A. – Brand Isover
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TYPE	REINFORCEMENT	UPPER FINISHING	m ² PER PALLET
RENOVER 4 MM P TEX	Polyester	Decotex	230
RENOVER MINERAL 4 MM P	Polyester	Slate	184

TYPE	Solar reflectance ASTM E903	Thermal emissivity ASTM C1371	SRI (Solar reflectance index) ASTM E1980
RENOVER MINERAL 4 MM P CALIFORNIA	55,70%	94,90%	67,60%



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Technical features

Test	Standard reference	RENOVER 4 MM P TEX	RENOVER MINERAL 4 MM P	Tolerance
Visible Faults	UNI EN 1850-1	Absent	Absent	-
Straightness	UNI EN 1848-1	10 mm	10 mm	≤
Watertightness	UNI EN 1928	60 kPa	60 kPa	≥
Cold flexibility	UNI EN 1109	- 15 °C	- 15 °C	≤
Cold flexibility after ageing	UNI EN 1296 UNI EN 1109	- 10 °C	- 10 °C	+ 15 °C
L dimensional stability	UNI EN 1107-1	- 0,3 %	- 0,3 %	≥
Flow resistance	EN 1110	100 °C	100 °C	≥
Flow resistance after ageing	EN 1296 EN 1110	90 °C	90 °C	-10 °C
Tensile strength at breaking L/T	UNI EN 12311-1	750/550 N/50 mm	750/550 N/50 mm	- 25 %
Overlaps tear resistance L/T	UNI EN 12317-1	650/450 N/50 mm	650/450 N/50 mm	- 25 %
Elongation at breaking L/T	UNI EN 12311-1	45% / 45%	45% / 45%	- 15 v.a
Tear resistance (B method) L/T	UNI EN 12310-1	150/150 N	150/150 N	- 30 %
Static load resistance	UNI EN 12730	15 Kg	15 Kg	≥
Dynamic punching resistance	UNI EN 12691	900 mm	900 mm	≥
Fire reaction	EN 13501-1	NPD	NPD	-
External fire reaction	EN 13501-5	F roof	F roof	
Granules adhesion	UNI EN 12039	-	30%	≤
Resistance to water penetration	UNI EN 1928	-	CLASS W1	-
UV ageing	UNI EN 1297	Passes the test*	-	-
Uses	EN 13707 System 2+	Base layer Middle layer Under heavy protection Single layer	Top layer Single layer	-

* whit protective paint

The Saint-Gobain PPC Italia S.p.A. quality system is certified according to EN ISO 9001

Follow proper application and storage modalities.

The CE marking of this bituminous membrane is in accordance with the European Construction Products Regulation 305/2011, is in agreement to the reference technical standards and is supported by certification no. 1370-CPR-0050.

Saint Gobain PPC Italia has the right to change the technical data of this data sheet any time with no need of notice.



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