



LEGGERA.bit SPECIAL



Description

The SPECIAL membrane is realized with elastoplastic compound characterized by a -15°C cold flexibility and is reinforced with polyester.

Application

The SPECIAL membrane is meant to be applied by flame with a gas propane blow torch by heating the lower face, covered with a special thermofusible film.

Recommended Use

The SPECIAL membrane can be employed for the waterproofing of roofs, earth-retention walls and foundations.

Dimensional Characteristics

Length	10 m - 1% (UNI EN 1848-1)	Tol. \geq
Width	1 m - 1% (UNI EN 1848-1)	Tol. \geq
Weight/m ²	3,9 kg/m ²	$\pm 10\%$
Thickness *	4 mm (UNI EN 1849-1)	Tol. 0,4 mm

Packaging

TYPE	REINFORCEMENT	UPPER FACING	THICKNESS WEIGHT / m ²	m ² PER PALLET
SPECIAL 4 mm P	Polyester	Talc	4 mm	230
SPECIAL MINERAL P	Polyester	Slate	3,9 kg/m ²	230

**for the mineral version thickness is indicative and is measured on the slate*

Storage

It is advisable to store rolls indoors, away from the sun rays and at a temperature not below $+5^{\circ}\text{C}$. Keep the rolls in the upright position. Avoid if possible to stack pallets. It is advisable to employ the product within 2/3 months from delivery.

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Performances

CHARACTERISTICS	Standard Reference	SPECIAL	SPECIAL MINERAL	TOLERANCES
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	≤
L dimensional stability	UNI EN 1107-1	- 0,3 %	- 0,3 %	≥
Flow resistance	EN 1110	120 °C	120 °C	≥
Flow resistance after ageing	UNI EN 1296 UNI EN 1109	110 °C	110 °C	- 10 °C
Tensile strength at breaking L/T	UNI EN 12311-1	500/400 N/5 cm	500/400 N/5 cm	- 20 %
Elongation at breaking L/T	UNI EN 12311-1	35/35%	35/35%	-15 a.v. (P)
Tear resistance (B method) L/T	UNI EN 12310-1	180/180 N	180/180 N	- 30 %
Static load resistance	UNI EN 12730	10 Kg	10 Kg	≥
Dynamic punching resistance	UNI EN 12691	800 mm	800 mm	≥
Vapour permeability	UNI EN 1931	μ 20000	μ 20000	-
UV ageing	UNI EN 1297	NPD	NPD	-
Fire reaction	EN 13501-1	CLASS F	CLASS F	-
External fire resistance	EN 13501-5	F roof	F roof	-
Granules adhesion	UNI EN 12039	-	30 %	≤
Watertightness after <ul style="list-style-type: none"> exposure to chemical agents artificial ageing 	UNI EN 1928 UNI EN 1847/ UNI EN 1296	NPD	-	-
Resistance to water penetration	UNI EN 1928	-	CLASS W1 (ongoing test)	-
<ul style="list-style-type: none"> Resistance to water penetration Tensile resistance after artificial ageing 	App. C EN 13859-1	-	NPD	-
Use	EN 13707	Top layer (ongoing test) Base layer	Top layer	-
	EN 13969	Foundations Earth retention	-	-
	EN 13859-1	-	Under tiles	-

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The Saint-Gobain Italia è certificato secondo EN ISO 9001

The products foresee proper application and storage modalities.

The CE marking of this bituminous membrane is in accordance with the European directive 89/106/CE approved by DPR 246 dated 21/4/1993, is in agreement with the reference technical standards EN 13707—EN 13969 and is supported by certification no. 1370-CDP-0050 issued by BVQI (notification no. 1370).

Saint Gobain Isover Italia has the right to modify the technical data of the present sheet any time with no need of notice.