

EDILPOL MINERAL

WPBIT0129.b

DESCRIPTION

EDILPOL MINERAL is a plastomeric modified bitumen waterproofing membrane (APP), industrially manufactured by impregnation of the reinforcement with the waterproofing compound based on distilled bitumen modified with polyolefin polymers, which gives to the compound excellent technical characteristics.

The composite reinforcement, made of nonwoven polyester in combination with fiberglass, conveys good mechanical characteristics, excellent dimensional stability and elastic performance.

Shaping of sheets, straightness, dimensional and surface uniformity are accomplished by hot calendaring of the mass at hot melt fluid state.

It is a self-protected membrane. The upper surface is coated with colored slate chips and selvedge slate free at one side for easy welding overlap. The lower surface is coated with a thermo-fusible polyolefin film.

FIELD OF APPLICATION

EDILPOL MINERAL is suitable as top layer in multi-layer waterproofing systems, with compatible membranes or as underlayers for discontinuous roofing.

General roofing, on or under floors, wall constructions, under tiles, are valid examples of the design application of this product. It is not suitable for roof gardens.

It can be applied onto every substrate and it is suitable for any climate conditions and all the situations where a barrier against water is required.

METHOD OF INSTALLATION

The thermoplastic properties of the waterproofing compound allow the application with torch-on system or hot air generator. In particular situations, it could be applied with appropriate sealants.

The application of the membrane must be carried in good weather conditions and after the substrate has been adequately cleaned and prepared.

PACKING AND STORAGE

The product is packed as standing rolls on wooden pallets wrapped with thermos shrinking protective hoods. Rolls must be stored in the upright position, without stacking the pallets to avoid deformations which can compromise the correct application of the membrane. The product must be stored indoor, protected from heat and frost.

INTENDED USE OR USES

Flexible sheets for waterproofing. Reinforced bitumen sheets for roof waterproofing.

Flexible sheets for waterproofing. Bitumen damp proof sheets including bitumen basement tanking sheets.

Flexible sheets for waterproofing. Underlays for discontinuous roofing.

1. Selvedge
2. Mineral protection
3. Waterproofing mass
4. Reinforcement
5. Waterproofing mass
6. Torch-off film



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Technical Data

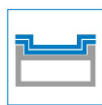
Attribute	Norm	Value	Unit	Tolerance
Weight	EN1849-1	4 or 4.5	(kg/m ²)	±10%
Roll Length	EN1848-1	10	(m)	-1%
Roll Width	EN1848-1	1	(m)	-1%
Straightness	EN1848-1	PASSED	-	20 mm / 10 m
Flexibility at low temperature (pliability)	EN1109	-5	(°C)	≤
Heat flow resistance	EN1110	130	(°C)	≥
Watertightness	EN1928-B	60	(kPa)	≥
Watertightness	EN1928-A W1	PASSED	(kPa)	2 kPa/24h
Water vapour transmission properties	EN1931	20.000*	(μ)	-
M.d. C.d.				
Tensile properties: maximum tensile strength	EN12311-1	550 / 350	(N/50 mm)	-20%
Tensile properties: elongation at break	EN12311-1	40 / 40	(%)	-15
Resistance to tearing (nail shank)	EN12310-1	150 / 150	(N)	-30%
Dimensional stability	EN1107-1	±0.3 / ±0.3	(%)	≤
Shear resistance of joints	EN12317-1	550 / 350	(N/50 mm)	-20%
Resistance to static puncture	EN12730-A	NPD		
Resistance to impact	EN12691-A	NPD		
External fire performance (note 1)	EN1187/EN13501-5+A1	F _{root}	Class	-
Reaction to fire	EN11925-2/EN13501-1+A1	E	Class	-
Root resistance	EN13948	NPD		
Determination of adhesion of granules (Loss)	EN12039	PASSED	%	<30
Visible defects	EN1850-1	PASSED	-	-
Durability: Flexibility at low temperature after artificial ageing	EN1296/EN1109	NPD		
Durability: Flow resistance at elevated temperature after artificial ageing	EN1296/EN1110	110	(°C)	-10
Durability: Watertightness after artificial ageing	EN1296/EN1928-B	PASSED	(kPa)	≥60
Durability: Watertightness against chemicals	EN1296/EN1847	NPD	-	PASSED
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Tensile strength	N1296/EN12311-1	NPD		
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Elongation	N1296/EN12311-1	NPD		
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Watertightness	N1296/EN1928-A	W1	Class	-
Dangerous substances (notes 2 and 3)	-	CONFORMS	-	

NORMS: EN13707; EN13969, EN13859-1

Note (1): External fire performance depends on the complete system used on the layer, no performance can be declared for the single product.

Note (2): In the absence of European harmonized test methods, verification and declaration on release/content will be made, taking into account national provisions.

Note (3): Dangerous substances free.



Top layer in multi-layer systems



Under layers for discontinuous roofing

INSPECTION AND MAINTENANCE

We recommend that inspections are carried out annually to confirm counterflashing, ensure drains are clear of blockages and to observe if any mechanical damage has occurred. Issues should be reported and rectified immediately. Our SOPREME Trading Bitumen membrane range is designed to last more than 10 years with the correct maintenance regime in place. Contact your local SOPREME Trading representative for any additional information.

QUALITY AND RESPONSIBLE CARE

All products distributed through SOPREME Trading (Pty) Ltd are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

TECHNICAL SUPPORT

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local SOPREME Trading (Pty) Ltd representative. SOPREME Trading (Pty) Ltd shall not be liable for technical advice provided. SOPREME Trading (Pty) Ltd reserves the right to have the true cause of any difficulty determined by accepted test methods. Undertaking such tests is not, and shall not be deemed to be, an admission of liability or an assumption of any risk, loss, damage or liability.

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