

TECHNICAL DATA

DRYSHIELD – ML

APP MODIFIED MEMBRANE WITH MINERAL TOP FINISH

PRODUCT DESCRIPTION

DRYSHIELD-ML is an APP (Atactic Polypropylene) plastomeric type modified bitumen membrane, consisting of a specially formulated bituminous compound of distilled asphalt modified with selected high grade visco-elastic polymers and reinforced with a combined reinforcement (Polyester and Fibreglass).

DRYSHIELD-ML is coated with a slate mineral granule topping, while the bottom surface is embossed and protected by a heat sensitive polythene film. This type of finish for the lower surface has been chosen for two specific purposes.

1. To act as a temperature gauge during application. When the film melts it shows that the compound is at the correct temperature.
2. The embossing is to allow the gases to rapidly escape when heated to its correct installation temperature avoiding possible problems of bubbling and blistering.

FEATURES/BENEFITS

- Positive vapour barrier
- Excellent resistance to atmospheric agents cold flexibility -15°C
- Excellent elongation
- Resistant to chemical attacks
- Withstand thermal shocks
- Heat welded laps provides homogenous joint
- Prefabricated membrane
- High puncture resistance

USES

DRYSHIELD-ML membrane can be used as a watertight/finishing layer.

Non-accessible flat roofing

Accessible flat roofing

Vault covering

Renovation and refurbishment



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INSTALLATION

The application of DRYSHIELD-ML should be carried out by an approved Applicator.

Installation shall be strictly in accordance with the manufacturer's recommendations.

Acceptable substrates to which DRYSHIELD-ML is to be installed must be properly prepared prior to membrane installation.

All surfaces must be dry, clean, smooth, free of sharp edges, loose or foreign materials, oil, grease and other materials which may damage the membrane.

DRYSHIELD-ML is normally installed in a multi-layer system incorporating Bitumen membranes or base sheets.

DRYSHIELD-ML is fully bonded to plain or base layer. Overlaps are always torch-bonded with a width of 10cm.

The exact specification will depend on functional and economic requirements. Advice should be sought for suitable specification from ORGANIX

SAFETY PRECAUTIONS

DRYSHIELD-ML is not classified as dangerous goods.

However during installation exercise caution when working with open flame. Examine all surfaces to which the flame has been applied for smouldering or burning conditions.

Do not use open flame on or near highly combustible materials. Follow all local fire codes.

STORAGE

All rolls of DRYSHIELD-ML should be stored in a covered area protected against sunlight and UV radiation. Rolls should be stored in a vertical position on a smooth floor so as not to damage the edges.

PACKAGING

Roll size 1m x 8m

Roll weight: Approximately 44kg

Rolls per pallet: 23



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MEMBRANE

Characteristics	Standard	Units	Nom.
Length	UNI EN 1848-1	m	8±1%
Width	UNI EN 1848-1	m	1±1%
Thickness	UNI EN 1849-1	mm	4.1 +mineral
Aeric Mass	UNI EN 1849-1	kg/m ²	5.2
Heat Stability	UNI EN 1110	°C	130
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Heat Stability After 6 months at 70°C	UNI EN 1110	°C	130
Cold Flexibility	UNI EN 1109	°C	-15
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Cold Stability After 6 months at 70°C	UNI EN 1109	°C	0
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Dimensional Stability			
Longitudinal	UNI EN 1107-1 A	%	≤ -0.3
Transversal			≤ +0.3
Impermeability	UNI EN 1928	kPa	≥ 60
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Tensile Strength			
Longitudinal			
Ultimate Tensile Strength	UNI EN 12311-1	N/50mm	900
Transversal			
Ultimate Tensile Strength			700
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Elongation at Break			
Longitudinal	UNI EN 12311-1	%	45
Transversal			45
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Tear Resistance			
Longitudinal			
Transversal	UNI EN 12310-1	N	150
Resistance to Static Load	UNI EN 12730	kg	25
Mineral Adhesion	UNI EN 12039	%	max 30%

Values are referred to a membrane of:

Thickness 4.1mm + mineral Weight 5.2kg/m²

