

# EVOLUTION MINERAL OVERLAY

Charcoal mineral finished overlay membrane to overlay existing mineral roofs

EVOLUTION MINERAL OVERLAY IS A SINGLE LAYER TORCH APPLIED CHARCOAL MINERAL FINISH MEMBRANE THAT HAS BEEN DESIGNED TO BE USED FOR RE-ROOFING EXISTING BITUMINOUS SYSTEMS, ESPECIALLY THOSE HAVING A MINERAL FINISH

## 1. APPLICATIONS

- Existing asphalt and bituminous systems, especially those having a mineral finish

## 2. TYPICAL PERFORMANCE DATA

Evolution Mineral Overlay is a prefabricated modified polymer-bitumen membrane whose upper face compound is composed of distilled bitumen and elasto-plastomers while the lower face compound is composed of distilled bitumen and special polymers which improves the adhesion and workability.

The membrane is reinforced with a woven non woven composite spunbonded polyester. The modified compound on the upper face offers excellent ageing properties, resistance to foot traffic, heat and UV resistance; the modified compound on the lower face offers excellent cold flexibility, durability, adhesion to the substrate especially on old membranes self protected with a mineral finish.

Evolution Mineral Overlay is supplied with a mineral slate finish which is available with a charcoal finish. This mineral finish acts as a weathering surface and enhances the aesthetics after application. A 10cm side selvedge is provided to allow for easy alignment of the membrane during application. The lower face of Evolution Mineral Overlay is backed by a special polyethylene burn off film which melts during torching and prevents the roll from sticking to itself. The burn off film has a printed 10cm square which allows for the alignment of the side laps to be completed quickly and easily during application. The correct application temperature is visible from the embossed surface of the membrane which is below the burn off film. When the correct temperature is reached, this embossment melts helping vapour diffusion and avoiding blistering.

Technical Data	Reference Norm	Characteristics	Tolerances
Reinforcement		Composite Polyester	
Finish: Upper face		Mineral	
Finish: Lower face		Polyethylene Film	
Roll Length	EN 1848-1	8mtr	- 1%
Roll Width	EN 1848-1	1mtr	- 1%
Nominal Weight	EN 1849-1	5kg/mtr <sup>2</sup>	- 10%
Tensile Strength	EN 12311-1		
Longitudinal / Transversal		600 / 500 (N/5cm)	+ 20%
Ultimate Elongation			
Longitudinal / Transversal		35 / 35 %	+ 15
Tear Strength L/T	EN 12310-1	150 / 150 N	- 30
Static puncture resistance	EN 12730	15kg	min
Dynamic puncture resistance	EN 12691	900mm	min
Cold Flexibility	EN 1109	- 10°C	max
Dimensional Stability	EN 1107-1	- 0.3%	max
Watertightness	EN 1928	60 Kpa	min



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## 3. GUARANTEED DURABILITY

### Fire Safety

When incorporated in a Euro Polymers Specification, and as described in Table A5 of part B of the fire safety in buildings regulations 1991, Evolution Mineral Overlay membrane is un-restricted in its use in relation to fire.

### Production

The processes used in the production of Evolution Mineral Overlay are in accordance with M. O. A. T. No 31 1984. The whole process has been independently assessed to meet ISO9001.

### Compatibility

Evolution Mineral Overlay is compatible with all products that are normally found on a roofing site. The products that should not be brought into contact with any hydro-carbon solvents such as creosote and paraffin.

## 4. INSTALLATION

1. The application surface must be smooth, free of moisture, ponding water, dust and loose mineral chips not adhered to the surface.
2. The application area must be provided with an adequate draining system.
3. Do not apply below +5°C.
4. Do not apply during adverse weather conditions.
5. Avoid applying to slopes greater than > 15°
6. Fully bond membrane to the substrate.
7. Side laps must be a minimum of 100mm with head laps 150mm .

## 5. GUARANTEES AND WARRANTIES

Euro Polymers offer a full range of guarantees and warranties

AWM Protector, Pathfinder and Pioneer warranties offer varying levels of term and cover.

Please contact Euro Polymers for further details.

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