

SOLAR STRIP MINERAL

Waterproofing composite self-adhesive membrane for resurfacing balconies or terraces



DESCRIPTION

Composite self-adhesive membrane reinforced with a woven non woven single strand composite polyester fabric, having excellent mechanical characteristics as well as dimensional stability.

The special surface finish made from slate micro flakes makes the surface of the SOLAR STRIP MINERAL membrane ideal and high-performance for the subsequent laying of flooring using cement based adhesives.

The underside of the product has self-adhesive strips designed to enable firm yet partial adhesion of the SOLAR STRIP MINERAL membrane.

This special and unique finish guarantees an adhesive surface of 50%, without affecting the function of dispersing the water vapour in the flooring underneath, thus eliminating the inconvenience of bubbles.

ADVANTAGES

- RESURFACING EXISTING FLOORS WITH NO DEMOLITION (except for removing the skirting board etc.).
- RESURFACING NEW FLOORS WITH LIMITED THICKNESS.
- CONSTRUCTION SITE CLOSED IN JUST A FEW DAYS.
- CAN BE LAID QUICKLY WITH NO NEED FOR SPECIAL TOOLS.

Reinforcement: Single strand polyester

Compound: Special polymer bitumen

Top finish: Micro Mineral Slates *

Lower finish: Silicon release film

Intended use:

EN 13707 Continuous roofs (certificate no. CE0958-UKCA0120): Complimentary layer

Application method: Self-adhesive

* Mineral self-protected products may undergo color tone variations due to the time and length of storage. Exposure to atmospheric conditions, after application, will tend to uniform the color after a few months. The change in color tone cannot therefore be contested and / or complained of as it is a natural phenomenon that the slate manufacturer himself cannot guarantee.

PREPARING THE SUBSTRATE

- Remove the skirting board.
- Refurbish with cement-based levelling compound if necessary.
- Remove any loose tiles.
- Refurbish the base layer with cement-based mortar.
- Clean the substrate.
- Remove the floor drain, if there is one.
- In case of use directly on new cement screed, with R.H. < 5%, apply PRIMER SINT over the entire surface to be treated.

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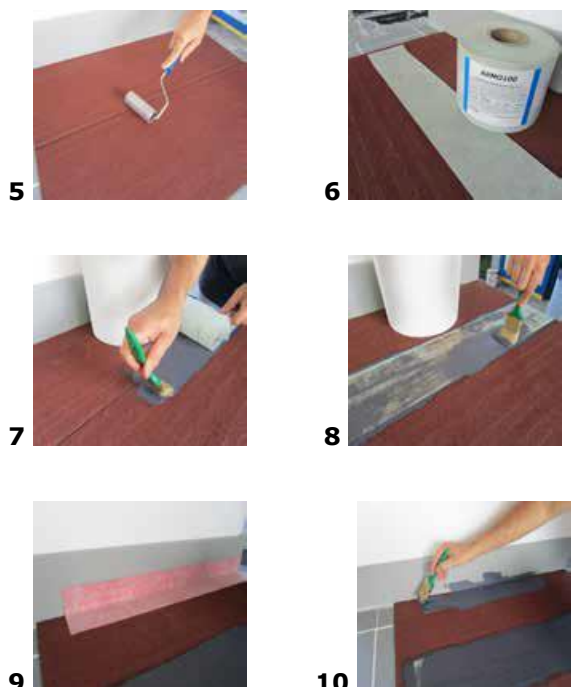
LAYING SOLAR STRIP MINERAL

- If the balcony does not have any parapets, it is necessary to install a metal profile before laying the SOLAR STRIP MINERAL membrane. [fig. 1]
- Lay the SOLAR STRIP MINERAL membrane lining up the sheets, trying not to overlap them to limit the thickness. [fig. 1]
- Remove the silicone-coated film. [fig. 2]
- Roll out the surfaces using the large roller and the hand roller for the details. [fig. 3]
- Lay the subsequent sheets lining up the sides of the SOLAR STRIP MINERAL. [fig. 4]
- Use a hot air burner + hand roller to seal any edges or details. [fig. 5]



LAYING MONOFLEX

- Position a strip of ARMO 100 dry where the sheets join. [fig. 6]
- Roll out ARMO 100 and evenly apply a first layer of MONOFLEX, using a brush or roller, about 16 cm wide. [fig. 7]
- Apply the second layer of MONOFLEX, covering ARMO 100 evenly. [fig. 8]
- Place BANDTEC dry near the edge turn-ups. [fig. 9]
- Evenly apply a first layer of MONOFLEX, beyond the level of the skirting board. [fig. 10]
- Press BANDTEC into the layer of MONOFLEX previously applied. [fig. 11]
- Evenly cover BANDTEC with a second layer of MONOFLEX. [fig. 12]
- Alternatively, use a roller. [fig. 12-13]
- Leave until the product is completely dry. [fig. 14]

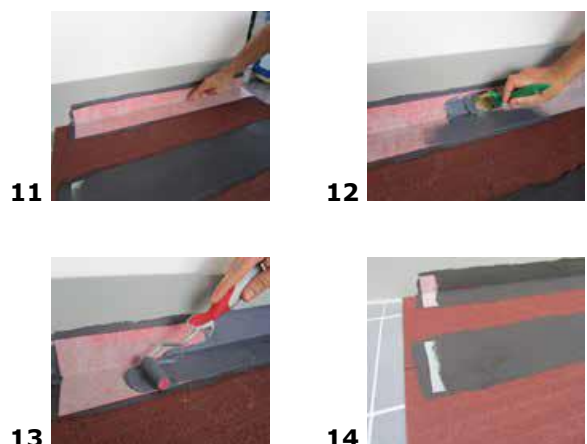


Laying cement-based adhesives

- When MONOFLEX is completely dry, proceed to laying modified cement-based adhesives with resins in class C2S2 that are compliant with the covering to be laid.

Grouting

- When the floor has been laid, apply the grouting and seal the joints with suitable epoxy grout sealant.



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RECOMMENDATIONS

To best use the technical characteristics of bituminous membranes and guarantee the maximum performance and durability of the jobs where they are used, some simple but fundamental rules must be respected.

- ✓ The rolls are to be stored in an upright position, indoors in a dry and ventilated area, away from heat sources. Absolutely avoid the stacking of rolls and pallets for storage or transport to avoid possible deformations which may compromise a perfect installation. It is recommended to store the product at temperatures above 0°C.
- ✓ The rolls shall be kept in a warm or heated storage area during application, should the workability of the material deteriorate or become stiff and difficult to install during application, these should be returned to the heated storage area and substituted with new rolls. The rolls that are temporarily stored on the roof before application, shall be kept elevated by being left on their own pallets and shall be covered and protected from the weather.
- ✓ The application surface must be smooth dry & clean.
- ✓ The application must be done at temperature higher than +5°C.
- ✓ The application must be interrupted in adverse weather conditions (high humidity, rain, etc.).
- ✓ The pallets on which the rolls are packaged are intended for normal warehouse use.
- ✓ The materials on stock should be rotated following a first in first out rotation.

TECHNICAL SPECIFICATIONS

CHARACTERISTICS	TESTING METHOD	M.U.	TOLERANCE	VALUE
Length/Width	EN 1848-1	m	MLV ≥	10,00/1,0
Visible defects	EN 1850-1	visual		None
Mass	EN 1849-1	kg/m ²	MDV ±10%	3,0
Straightness	EN 1848-1	mm/10 m	MLV	< 20
Watertightness	EN 1928	kPa	MLV ≥	60
External Fire Performance	EN 13501-5			F ROOF
Reaction to fire	EN 13501-1	class		NPD
Shear resistance L/T	EN 12317-1	N/50 mm	MDV -20% +50%	600/400
Maximum tensile strength (L/T)	EN 12311-1	N/50 mm	MDV -20% +50%	700/500
Elongation (L/T)	EN 12311-1	%	MDV -15 +30	40/40
Resistance to tearing (L/T)	EN 12310-1	N	MDV -20% +50%	150/150
Resistance to static loading	EN 12730-A	kg	MLV ≥	15
Resistance to impact	EN 12691-B	mm	MLV ≥	1000
Peel resistance of joints L/T	EN 12316-1	N/5 cm	MDV ±20N	NPD/NPD
Cold flexibility	EN 1109	°C	MLV ≤	NPD
Cold flexibility after ageing	EN 1296	°C	MDV +15°C	NPD
Flow resistance	EN 1110	°C	MLV ≥	NPD
Flow resistance after ageing	EN 1296	°C	MDV -10°C	NPD
Pull out	UNI EN 1348	N/mm ²		0,9
Dimensional stability	EN 1107-1	%	MLV ≤	0,3
Root resistance	EN 13948			NPD
Water vapour permeability	EN 1931	μ	MLV ≥	20000

NPD : No Performance Declared in accordance with the EU Construction Products Directive.

MDV : value declared by the manufacturer associated with a declared tolerance.

MLV : limit value, minimum or maximum, declared by the manufacturer

PACKAGING

PRODUCT	ROLL SIZE	WEIGHT KG/M ²	THICKNESS MM	SQUARE METRES PER PALLET
Solar Strip Mineral	10 m x 1 m	3,0	-	300

The waterproofing membrane based on distilled bitumen and polymers, as shown in this data sheet does not require the issue of a MSDS, because it does not contain dangerous substances. The information data sheet for the proper use of products is available. The technical data given is based on average values obtained during production. We reserve the rights to change or modify the nominal values without prior notice or advice. The informations contained in this data sheet are based on our experience. We cannot take any responsibility for a possible incorrect use of the products. The customer has to choose under their own responsibility a product fit for the intended use.

26/02/2025 - This version supersedes all previous ones.