

GEDA ADHESIVE T

Waterproofing membrane

DESCRIPTION

Masonry work does not last forever and periodically requires extraordinary maintenance.

The need to perform extraordinary maintenance work on the flooring of terraces and balconies is due to the fact that the reinforced concrete structures and superstructures (screed and flooring) are subject to various kinds of deformation: dynamic, thermic, shrinking, etc.

In many cases, this deformation also leads to the structure losing its impermeability or to the used elements disintegrating (tiles coming loose, screed crumbling, etc.).

IT IS NOW POSSIBLE TO DO WORK DIRECTLY ON THE EXISTING FLOORING WITH GEDA ADHESIVE T.

It is recommended to consult the Gedaco technical department to be able to design the optimal application of the GEDA ADHESIVE T in various types and sizes of terraces and balconies.

GEDA ADHESIVE T is 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 microflakes makes the surface of the GEDA ADHESIVE T membrane ideal and high-performance for the subsequent laying of flooring using cementbased adhesives.

The underside of the product has self-adhesive strips designed to enable firm yet partial adhesion of the GEDA ADHESIVE T 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.

FIELDS OF USE

EN1707 CONTINUOUS ROOFS 0958-CPR-2045/1

DOUBLE LAYER / MULTILAYER

SELF-ADHESIVE APPLICATION

PARTIALLY BONDED APPLICATION

COMPLIMENTARY LAYER

ADVANTAGES

- Special self-adhesive membrane that can be laid cold without the use of open flames.
- Limited thickness of the GEDA ADHESIVE T membrane - less than 3 mm.
- No need to for overlapping at the top or sides as with conventional bituminous membranes. No waste and excellent use of the whole membrane.
- The special surface finish made from slate microflakes makes the surface of the GEDA ADHESIVE T 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 GEDA ADHESIVE T 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.

APPLICATION

GEDA ADHESIVE T

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.

Laying GEDA ADHESIVE T

- If the balcony does not have any parapets, it is necessary to install a metal profile before laying the GEDA ADHESIVE T membrane.
- Lay the GEDA ADHESIVE T 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 GEDA ADHESIVE T. [fig. 4]
- Use a hot air burner + hand roller to seal any edges or details. [fig. 5]

Laying MONOFLEX

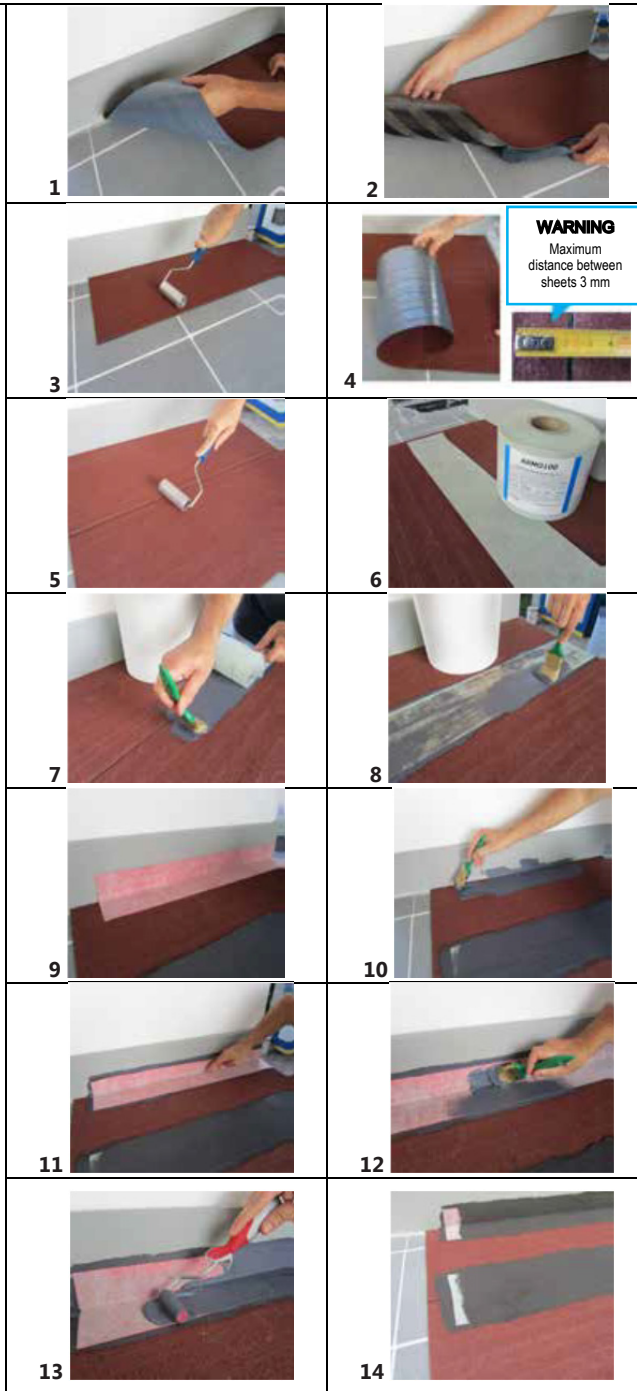
- Position a strip of ARMO 100 dry where the sheets join. [fig. 6]
- Roll out ARMO 100 and evenly apply a first layer of MONOFLEX, using a brush or roller, about 16 cm wide. [fig. 7]
- Apply the second layer of MONOFLEX, covering ARMO 100 evenly. [fig. 8]
- Place BANDTEC dry near the edge turn-ups. [fig. 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.
- 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.





TECHNICAL DATA SHEET

| TECHNICAL CHARACTERISTICS | MEASURE UNITS | REFERENCE NORM | PA | TOLERANCES |
|-----------------------------|-------------------|----------------|-----------------------------------|------------|
| Type of reinforcement | | | Single strand composite polyester | |
| Upper face finish | | | Micro slates * | |
| Lower face finish | | | Removable plastic film | |
| Length | m | EN 1848-1 | 10 -1% | |
| Width | m | EN 1848-1 | 1 -1% | |
| Mass | kg/mq | EN 1849-1 | 3,0 | ±10% |
| Pull out | N/mm ² | UNI EN 1348 | 0,9 | |
| Cold flexibility | °C | EN 1109 | NPD | |
| Flow resistance | °C | EN 1110 | NPD | |
| Tensile strength L/T | N/5 cm | EN 12311-1 | 700 / 500 | -20% |
| Elongation at break L/T | % | EN 12311-1 | 40 / 40 | -15% |
| Tearing resistance L/T | N | EN 12310-1 | 150 / 150 | -30% |
| Dimensional stability | % | EN 1107-1 | -0,3 | |
| Loss mineral | % | EN 12039 | 30 | |
| Fire resistance | | EN 13501-5 | F ROOF | |
| Fire reaction | | EN 13501-1 | F | |
| Watertightness | kPa | EN 1928 | 60 | |
| Watertightness after ageing | kPa | EN 1926 | 60 | |
| Vapour transmission | μ | EN 1931 | 20000 | |

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

* 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.

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.

SIZES & PACKING

| | PA 3,0 kg/m ² |
|--------------------------|-----------------------------|
| Rolls size [m] | 10 x 1 |
| Rolls per pallet | 30 |
| Square meters per pallet | 300 |