

# GEDA BASE

## *Waterproofing membrane*

### DESCRIPTION

Prefabricated modified polymer-bitumen membrane composed of distilled bitumen and elasto-plastomers (APP) reinforced with a woven non woven single strand composite polyester fabric.

The upper face of the membrane is coated with the waterproofing mass and protected with a PE film, while the lower face is the exposed reinforcement.

The woven non woven single strand composite polyester reinforcement offers excellent static puncture and tear strength resistance.

The characteristics of the membranes in the GEDA BASE range allow them to be used with success as a regularisation layer, as a first layer mechanically fixed to wooden roofs, as a vapour diffusion layer, as a separation layer between bituminous membranes and synthetic ones as well as in several other applications.

In virtue of the particular formulation the membranes of the GEDA BASE range are compatible with all the GEDACO membranes, both APP & SBS.

### METHODS OF APPLICATION

The application of the membrane is generally obtained by mechanical fixing using large headed nails on wooden roofs.

As an alternative cold adhesive glues can be used and on non heat sensitive substrates the use of oxidized bitumen.

For further information we recommend to consult GEDACO's technical literature.

### FIELDS OF USE

ENI3707 CONTINUOUS ROOFS 0958-CPR-2045/1

DOUBLE LAYER / MULTILAYER

MECHANICAL FIXING APPLICATION

LOOSE LAID APPLICATION

COMPLIMENTARY LAYER

### APPLICATION

#### **GEDA BASE AS A SEPARATION AND SLIP SHEET**

GEDA BASE is used as a separation layer, reducing or eliminating the physical-mechanical and/or chemical restraints between various elements of the waterproofing system.

GEDA BASE is being applied over an old synthetic membrane as a separation layer on which the bituminous one will be applied.

GEDA BASE can also be used as a slip sheet as it prevents movement and tension from being transferred between adjoining layers.

#### **GEDA BASE AS A SEPARATION AND DISTRIBUTION LAYER ON RE-FURBISHMENT**

GEDA BASE used over old waterproofing systems, acts as a separation and distribution layer as well as a base for the mechanical fixings, guaranteeing as well an excellent bond of the bituminous waterproof membrane used for the refurbishment.

#### **GEDA BASE AS A PROTECTIVE ELEMENT AND DISTRIBUTION ON WOODEN ROOFS**

GEDA BASE is used over wooden decks and/or heat sensitive materials whereas it is used as a protective layer from the use of open flame; GEDA BASE must be applied loose laid and mechanically fixed with appropriate nails. When used over concrete substrates it is necessary to use an adequate mechanical fixing.



GEDA BASE

## TECHNICAL DATA

TECHNICAL CHARACTERISTICS	MEASURE UNITS	REFERENCE NORM	P			TOLERANCE
Type of reinforcement			Single strand polyester			
Upper face finish			PE film			
Lower face finish			Single strand polyester			
Length	m	EN 1848-1	25 -1%	25 -1%	20 -1%	
Width	m	EN 1848-1	1 -1%			
Mass	kg/mq	EN 1849-1	1,2	1,5	2,0	±10%
Cold flexibility	°C	EN 1109	NPD			
Tensile strength L/T	N/5 cm	EN 12311-1	500 / 400			-20%
Elongation at break L/T	%	EN 12311-1	35 / 35			-15
Tearing resistance L/T	N	EN 12310-1	140 / 140			-30%
Fire resistance		EN 13501-5	F ROOF			
Fire reaction		EN 13501-1	F			
Watertightness	kPa	EN 1928	60			

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

## 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.
- To guarantee impermeability GEDA BASE must always be used with another waterproofing membrane reinforced with polyester or dual reinforced and applied fully bonded.
- The application surface must be smooth dry & clean.
- **The application surface must not have any depressions to avoid the risk of ponding water, the slope must be at least 1.5% on concrete decks and 3% for steel or wooden ones, this to guarantee a proper run off of rainwater.**
- In situations of application on vertical surfaces superior to 1,5 %, apply suitable mechanical fixings to the head laps.
- The application must be done at temperature higher than +5°C.
- The application must be interrupted in adverse weather conditions (high humidity, rain, etc.).

## SIZES AND PACKING

	P 1,2 kg/m <sup>2</sup>	P 1,5 kg/m <sup>2</sup>	P 2,0 kg/m <sup>2</sup>
Rolls size [m]	25 x 1	25 x 1	20 x 1
Rolls per pallet	25	20	25
Square meters per pallet [m <sup>2</sup> ]	625	500	500

Sizes & packing may vary depending on the type of transportation.