GECO®
WATERPROOFING SYSTEMS

GECO AIR

Perforated membrane

DESCRIPTION

GECO AIR perforated membrane is made of distilled bitumen, modified with elastoplastomeric polymers and reinforced with a perforated fiberglass mat. Both surfaces of the membrane are protected with an anti-adherent polyethylene burn off film. The diameter of the holes are of 40 mm and evenly across the surface. The particular formulation of GECO AIR membrane allows the product to be used with both SBS and APP modified membranes manufactured by GECO. GECO AIR is used for partial bonding waterproofing systems and applications, providing a constant and homogeneous bonding to the substrate. The application of GECO AIR allows the vapour diffusion below the waterproofing element, which is normally expelled throughout suitable air vents.

METHODS OF APPLICATION

GECO AIR is applied loose laid and not bonded to the substrate, allowing for side & head laps. The following layer of membrane will be applied fully bonded. The application by torch is not suggested on heat sensitive materials (ex. polystyrene insulation). The details (perimeter, protruding objects, etc.), verticals and applications in correspondence to change of slope, must be fully bonded to the substrate. For further information we recommend to consult PLUVITEC's technical literature.

Technical Characteristics	Measure units	Reference norm	V	Tolerance
Type of reinforcement			Fiberglass	
Upper face finish			PE film	
Lower face finish			PE film	
Length	m	EN 1848-1	30 -1%	
Width	m	EN 1848-1	1 -1%	
Mass	kg/m^2	EN 1849-1	0,745	±10%
Cold flexibility	°C	EN 1109	NPD	
Tensile strength L/T	N/5 cm	EN 12311-1	250/150	-20%
Elongation at break L/T	%	EN 12311-1	2/2	-2
Nail tear strength L/T	N	EN 12310-1	70/70	-30%
Fire resistance		EN 13501-5	F ROOF	
Fire reaction		EN 13501-1	F	
Watertightness	kPa	EN 1928	NPD	

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

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 information 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.

GECO WATERPROOFING SYSTEMS

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 surface must be previously treated with a suitable bituminous primer to eliminate dust and enhance the adhesion of the membrane.
- **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 2 meters or on very sloped substrates, apply suitable mechanical fixings to the head laps, after which they will be sealed when torching 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.).
- 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.
- For information concerning storage and application of Geco membranes, please refer to the "Installation manual".

FIELDS OF USE

EN13707 CONTINUOUS ROOFS 0958-CPR-2045/1

CERTIFICATION CE	N. LAYERS			METHOD OF APPLICATION						TYPE OF APPLICATION			TYPE			
	SINGLE LAYER	DOUBLE LAYER	MULTILAYER	TORCH	HOT AIR	MIXED (TORCH/AIR)	COLD BOND GLUE	MECHANICAL FIXING	THERMOADHESIVE / SELF-ADHESIVE	FULLY BONDED	PARTIALLY BONDED	LOOSE LAID	COMPLIMENTARY LAYER	TOP LAYER	HEAVY PROTECTION	ANTI-ROOT
GECO AIR 750 G/MQ			**X**									**X**	**X**			