

ISOLVAPOR NB Dimpled membrane **CE**

Plasto-elastomeric polymer bitumen membrane (APP)



DESCRIPTION

Prefabricated waterproofing membrane composed of distilled bitumen and elastoplastomeric polymers (APP) reinforced with heavy duty fibreglass mesh or heavy duty non-woven polyester fabric when used as a vapour barrier.

For creating vapour barriers on roofs that have high values of relative humidity > 70% near the intrados, use ISOLVAPOR NB LAMINAL with aluminium foil reinforcement.

The particular conformation of the upper surface, featuring "dimpled" elements, associated with the particular bituminous compound, allows it to be used as a vapour barrier, underneath the insulating element.

ISOLVAPOR NB can be successfully used even on steep slopes without compromising the end result.

LAYING INSTRUCTIONS

ISOLVAPOR NB membranes are applied by blowtorch directly to surfaces pre-treated with a suitable primer (PRIMER V70) with the dimpled surface facing outwards.

Adhesion of the insulating panels is obtained simply by re-heating the upper surface of the membrane (dimpled side).

Overlapping (Fig. 1)

ISOLVAPOR is equipped with two lateral selvages ensuring the same thickness of the dimples in overlapping areas, thus avoiding over-thicknesses which would prevent a perfect adhesion of the insulating panel.

Head sheets should not be overlapped but simply juxtaposed with one another and laid on top of a 20 cm wide membrane connecting strip previously applied to the supporting surface.

Reliefs (Fig. 2)

Before applying ISOLVAPOR NB, a 20 cm wide joining strip consisting of Tagliamuro POL should be applied by blowtorch near any reliefs.

Laying on wooden roofs (Fig. 3)

ISOLVAPOR NB sheets should be dry-laid, perpendicular to the gutter line and fixed below the selvage. A SOLAR POL adhesive membrane strip should be used for joining the head.

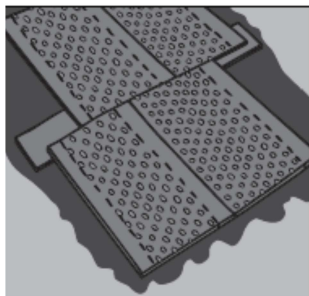


Fig. 1

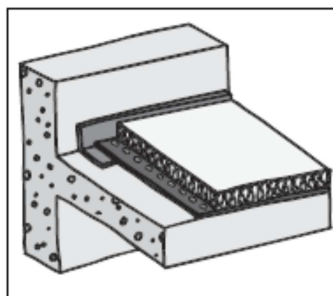


Fig. 2

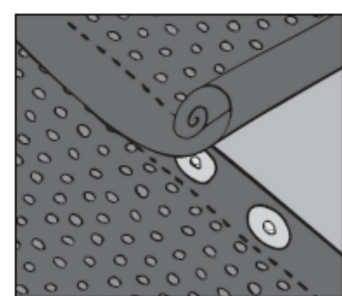


Fig. 3

ISOLVAPOR NB Dimpled membrane

Plasto-elastomeric polymer bitumen membrane (APP)

ADVANTAGES

- ✓ Reduction of overall installation times
- ✓ Strong grip of the insulation on the membrane owing to the presence of the adhesive dimples
- ✓ Easy installation
- ✓ Easy and safe installation of the insulating panels obtained with the fusion of the adhesive dimples
- ✓ (More than 1000/sq m).
- ✓ Safer operation for the contractor without the encumbrance and the danger of a boiler.
- ✓ A plasto-elastomeric compound that gives the membrane good workability at low temperatures, resistance to mechanical stress and an elastic performance.

Reinforcement: Reinforced fibreglass mesh/polyester/ aluminium foil

Compound: Polymer bitumen

Upper finish: PE Film with visible dimples

Lower finish: PE Film

Intended use: Vapour screen/Vapour barrier

Application method: Blowtorch

TECHNICAL SPECIFICATIONS

CHARACTERISTICS	TESTING METHOD	M.U.	TOLERANCE	VALUE
Mass per unit area	EN 1849-1	Kg/sq m	MDV ± 10%	4.5
Membrane thickness (Measured on the dimple)	EN 1849-1	mm	± 5%	4.0
Maximum tensile strength (L/T) Fibreglass mesh reinforcement	EN 12311-1	N/50 mm	MDV - 20%	300/200
Maximum tensile strength (L/T) Polyester reinforcement	EN 12311-1	N/50 mm	MDV - 20%	600/400
Maximum tensile strength (L/T) Aluminium foil reinforcement	EN 12311-1	N/50 mm	MDV - 20%	300/150
Flexibility at low temperature	EN 1109	°C	MLV	- 15
Creep	EN 1296/1110	°C	MDV - 10°C	100
Load resistance	EN 12730	Kg	MLV	10/15
Water vapour transmission Referred to ISOLVAPOR LAMINAL	EN 1931	μ	-20%	1,500,000

PACKAGING

PRODUCT	ROLL SIZE	WEIGHT SQ M/KG	THICKNESS MM	SQUARE METRES PER PALLET	EN STANDARDS
ISOLVAPOR NB VV	8 m x 1.05 m	4.5	-	216	13970
ISOLVAPOR NB POL	8 m x 1.08 m	4.5	-	210	13970
ISOLVAPOR NB LAMINAL	7.5 m x 1.05	4.5	-	196.87	13970

Please refer to the technical data sheet for more information, constant research in the field may result in changes to data content without the producer being obliged to inform all interested parties