

NORD BASE

Elasto-plastomeric polymer bitumen membrane (APP)



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 NORD 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 NORD BASE range are compatible with all the NORD BITUMI membranes, both APP & SBS.

Reinforcement: Single strand composite polyester

Compound: Elasto-plastomeric polymer bitumen (APP)

Upper finish: PE film

Lower finish: Single strand composite polyester fabric

Intended use:

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

Application method: Mechanical Fixing

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.

APPLICATION

NORD BASE AS A SEPARATION AND SLIP SHEET

NORD BASE is used as a separation layer, reducing or eliminating the physical-mechanical and/or chemical restraints between various elements of the waterproofing system. NORD BASE can be applied over an old synthetic membrane as a separation layer on which the bituminous one will be applied. NORD BASE can also be used as a slip sheet as it prevents movement and tension from being transferred between adjoining layers.

NORD BASE AS A SEPARATION AND DISTRIBUTION LAYER ON RE-FURBISHMENT

NORD 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.

NORD BASE AS A PROTECTIVE ELEMENT AND DISTRIBUTION ON WOODEN ROOFS

NORD 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; NORD 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.

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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.
- To guarantee impermeability NORD 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.).
- 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 | P | | |
|---|----------------|-------------------|---------------|------------|------------|------------|
| Length/Width | EN 1848-1 | m | MLV ≥ | 25,0 / 1,0 | 25,0 / 1,0 | 20,0 / 1,0 |
| Visible defects | EN 1850-1 | visual | | None | | |
| Mass | EN 1849-1 | kg/m ² | MDV ±10% | 1,2 | 1,5 | 2,0 |
| 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 | | |
| Maximum tensile strength (L/T) | EN 12311-1 | N/50 mm | MDV -20% +50% | 700/600 | | |
| 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 | | |
| Dimensional stability | EN 1107-1 | % | MLV ≤ | 0,5 | | |
| Peel resistance of joints (L/T) | EN 12316-1 | N/50 mm | 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 | | |
| Joint strength (shear resistance) (L/T) | EN 12317-1 | N/50 mm | MDV -20% +50% | 600/500 | | |
| Resistance to impact | EN 12691-B | mm | MLV ≥ | 1000 | | |
| Resistance to static loading | EN 12730-A | Kg | MLV ≥ | 15 | | |
| Root resistance | EN 13948 | | | NPD | | |
| Watertightness after ageing | EN 1296 | kPa | MLV ≥ | 60 | | |

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

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

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

PACKAGING

| PRODUCT | ROLL SIZE | WEIGHT KG/M ² | THICKNESS MM | SQUARE METRES PER PALLET |
|-----------|------------|--------------------------|--------------|--------------------------|
| Nord Base | 25 m x 1 m | 1,2 | - | 625 |
| Nord Base | 25 m x 1 m | 1,5 | - | 500 |
| Nord Base | 20 m x 1 m | 2,0 | - | 500 |

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 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.

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