



BBA 14/5118 (1)



EPD S-P-00691



ETE 10/0054



FM Approved
Assembly #553407

DANOPOL HS 1.8

Single Ply PVC-p 1.8 mm
membrane. Mechanically Fixed.



DANOPOL HS 1.8 is a synthetic PVC plasticized membrane, white colour, reinforced with polyester net carrier. Designed for flat roof waterproofing, U.V. resistant.

Presentation

- Length (cm): 1700
- Length measurement standard: EN 1848-2
- Width (cm): 108
- Width measurement standard: EN 1848-2
- Colour: Light grey
- Thickness (mm): 1.8
- Product code: 210072

Technical Data

| Concept | Value | Standard |
|--|--------------------------------------|---------------------|
| Mass per unit area (nominal) (kg/m ²) | 2.3 | - |
| External fire behaviour | Broof (t1) - Broof (t3) - Broof (t4) | EN 13501-5 |
| Longitudinal & transversal dimensional stability | < 0.3 | EN 1107-2 |
| Water vapour permeability (m) | 47.000 ± 30% | EN 1931 |
| Flexibility at low temperature (°C) | < -30 | EN 495-5 |
| Reaction to fire | E | EN 13501-1 |
| Resistance to static loading (kg) | > 60 | - |
| Resistance to static loading; method B (hard support) (kg) | > 60 | EN 12730 Método B |
| Resistance to root penetration | Pasa | EN 13948 |
| Longitudinal & transversal tensile strength (N/5cm) | > 1100 / 1000 | EN 12311-2 Método A |
| Longitudinal resistance to tearing (nail shank) (N) | > 300 | EN 12310-2 |
| Transversal resistance to tearing (nail shank) (N) | > 300 | EN 12310-2 |
| Resistance to impact, A (mm) | > 900 | EN 12691 |
| Overlaps resistance (Shear of overlaps) (N/50mm) | > 1100 | EN 12317-2 |
| Overlaps resistance (Peeling of overlap) (N/50mm) | > 250 | EN 12316-2 |
| Hazardous substances | PND | - |
| Resistance to root penetration | Pasa | EN 13948 |

Additional Technical Data

| Concept | Value | Standard |
|-----------------------------------|--------|----------------|
| Visible defects | Pasa | EN 1850-2 |
| Straightness (mm) | < 50 | EN 1848-2 |
| Resistance to static punching (N) | > 1200 | UNE 104116 (b) |

Environmental Information

| Concept | Value | Standard |
|------------------------------------|---------------------------------|----------|
| Post-consumer recycled content (%) | NDP | - |
| Pre-Consumer recycled content (%) | NDP | - |
| Manufactured in | Fontanar - Guadalajara (España) | - |

Scope

- Channel waterproofing (EN 13362).
- Mechanically fastened roof waterproofing systems (EN 13956).
- Waterproofing of reservoirs and dams (EN 13361).
- Waterproofing against fluids in the construction of tunnels and underground structures (EN 13491).

Advantages & Benefits

- Good absorption of structural movements.
- High tensile strength.
- High resistance to piercing.
- Hot air welded: Flame-free system
- Great elasticity.
- High resistance to tearing.
- Allows for adaptation to any type of geometry.
- UV resistant.
- System with Environmental Product Declaration (EPD), type 3 ecolabel.
- System fixed by metallic, plastic or induction fixation.

Support

- Deck-type metal roof.
- Overlays*
- Insulation panels.*
- Concrete subrates.
- Wooden subrates.
- Mortar subrates.

Handling, storage and preservation

- The product must be stored in a dry place protected from rain, sun, heat and low temperatures.
- This product is not toxic or flammable.
- It shall be kept in its original packaging, in a horizontal position and all rolls parallel (never crossed), on a flat and smooth support.

Notice

- The information contained in this document and any other advice provided, are given in good faith, based on DANOSA's current knowledge and experience when products are properly stored, handled

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