



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): 1300
- Length measurement standard: EN 1848-2
- Width (cm): 180
- Width measurement standard: EN 1848-2
- Colour: Light grey
- Thickness (mm): 1.8
- Product code: 210034

Technical Data

Concept	Value	Standard
Mass per unit area (nominal) (kg/m ²)	2.3	-
Longitudinal elongation at break (%)	> 120	-
Transversal elongation at break (%)	> 130	-
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	-

Additional Technical Data

Concept	Value	Standard
Visible defects	Pasa	EN 1850-2
Nominal minimum thickness	1.8 (-5%; +10%)	EN 1849-2
Mass (kg/m ²)	2,4 (-5%; +10%)	EN 1849-2

Concept	Value	Standard
Loss of elongation at break (UV 5000 h)	< 10	EN 1297, EN 12311-2
Loss of plasticizers (mass change at 30 days) (%)	< 4.5	EN ISO 177
Flatness (mm)	< 10	EN 1848-2
Straightness (mm)	< 50	EN 1848-2
Hail resistance (soft Support) (m/s)	50	EN 13583
Hail resistance (hard support) (m/s)	28	EN 13583-2012
Resistance to static punching (N)	> 1200	UNE 104416 (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 and applied, in normal situations and in accordance with the recommendations of DANOSA. The information applies only to the application (s) and the product (s) to which reference is expressly made. In case of changes in the parameters of the application, or in case of a different application, consult the DANOSA Technical Service before using the DANOSA products. The information contained herein does not exonerate the responsibility of the building agents to test the products for the application and intended use, as well as their correct application in accordance with current legal regulations. The product images used in our communications are indicative and may differ slightly in color and aesthetic appearance in relation to the final product. Orders are accepted in accordance with the terms of our current General Sales Conditions. DANOSA reserves the right to modify, without prior notice, the data reflected in this documentation. Website: **www.danosa.com** E-mail: **info@danosa.com** Telephone: **+34 949 88 82 10**