



BBA 14/5118 (1)

EPD[®]



EPD S-P-00691



ETE 10/0054

DANOPOL HS 1.5

Synthetic membrane PVC plasticized.



DANOPOL HS 1.5 is a synthetic PVC plasticized membrane, Reinforced with polyester net carrier. Designed for flat roof waterproofing, U.V. resistant.

Presentation

- Length (cm): 2000
- Width (cm): 108
- Thickness (mm): 1,5
- Logistic class: (B) Products in stock, maximum availability in less than 3 days
- Product code: 210077

Technical Data

Concept	Value	Standard
Longitudinal elongation at break (%)	> 100	-
Transversal elongation at break (%)	> 110	-
External fire behaviour	Broof (t1) - Broof (t3) - Broof (t4)	EN 13501-5
Density (kg/m ³)	1266	-

Concept	Value	Standard
Longitudinal & transversal dimensional stability	< 0.3	EN 1107-2
Humidity resistance factor	47.000 ± 30%	EN 1931
Mass per unit area (nominal) (kg/m ²)	1.9	-
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)	> 55	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)	> 250	-
Transversal resistance to tearing (nail shank) (N)	> 250	-
Overlaps resistance (Shear of overlaps) (N/50mm)	> 950	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	1.5 (-5%; +10%)	EN 1849-2
Mass (kg/m ²) ~ Standard	EN 1849-2	-
Mass (kg/m ²)	1,9 (-5%; +10%)	-
Loss of elongation at break (UV 5000 h)	< 10 < 10	EN 1297, EN 12311-2 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

Concept	Value	Standard
Hail resistance (soft Support) (m/s)	50	EN 13583
Hail resistance (hard support) (m/s)	33	EN 13583
Resistance to static punching (N)	> 1200	UNE 104416 (b)

Environmental Information

Concept	Value	Standard
Recycled content afterword the consumer (%)	NDP	-
Recycled content before the consumer (%)	NDP	-
Manufactured in	Fontanar	-

Scope

- Channel waterproofing (EN 13362).
- Waterproofing of deck-type roofs with mechanical fastening systems, tertiary or industrial buildings (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.
- Easy soldering by hot air or THF solvent.
- 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

- Tiles
- Deck-type metal roof.
- Concrete
- Existing waterproofing
- Mortar
- Insulation panels
- Wooden supports

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**