danosa

Waterproofing

POLYDAN PLUS FM 180-60/GP FRBR ELAST

High Performance SBS elastomeric 5,6 kg/m² capping sheet. Mechanically fixed.

BBA 10/4787 (PS2)

ETE 06/0058

POLYDAN PLUS F.M 180-60/GP FRBR ELAST. is a waterproofing bituminous sheet with self-protected surface of 5.6 kg/m². Composed of a reinforced and stabilized polyester felt reinforcement, covered on both sides with SBS modified bitumen mastic. On the upper side of the sheet, slate in grey (black) colour is used as protective material. The anti-adhesive material used on the lower side is polyethylene film.

Presentation

- Length (cm): 800
- Width (cm): 100
- Thickness (mm): 4.0
- Product code: 141926

Technical Data

Concept	Value	Standard
Mass per unit area (nominal) (kg/m²)	5.6	-
Thermal compatibility. Part I. (N/mm²)	>3,0E-09	-
External fire behaviour	Broof(t1);Broof(t3)	UNE-EN 1187; UNE-EN 13501-5
Durability flexibility	-5 ± 5	-
Creep durability (ºC)	100 ±10	UN-EN 1110
Elongation at break longitudinal (%)	45 ±15	UNE-EN 12311-1
Elongation at transverse break (%)	45 ±15	UNE-EN 12311-1

Concept	Value	Standard
Watertightness at 10 kPa (Type A)	Pasa	UNE-EN 1928
Water vapour resistance factor (μ)	>20.000	UNE-EN 1931
Low temperature flexibility (ºC)	<-15	UNE-EN 1109
Reaction to fire	E	UNE-EN 11925-2; UNE-EN 13501-1
Resistance to static loading (kg)	>20	UNE-EN 12730
Diffusion resistance (GPa·s·m²/kg)	400 ± 50	-
Resistance to root penetration	No Pasa	UNE-EN 13948
Longitudinal tensile strength (N / 5cm)	900 ± 250	UNE-EN 12311-1
Transverse tensile strength (N / 5cm)	650 ± 250	UNE-EN 12311-1
Longitudinal resistance to tearing (nail shank) (N)	280 ± 30	UNE-EN 12310-1
Transversal resistance to tearing (nail shank) (N)	320 ± 20	UNE-EN 12310-1
Resistance to impact, A (mm)	>2000	UNE-EN 12691
Joint Strength: Welding Shear	650 ± 250	UNE-EN 12317-1
Hazardous substances	PND	-

Addtitional Technical Data

Concept	Value	Standard
Adhesion of granules (%)	<30	UNE-EN 12039
Dimensional stability at elevated temperatures (longitudinal) (%)	<0.3	UNE-EN 1107-1
Dimensional stability at high temperatures (transversal) (%)	<0.3	UNE-EN 1107-1
Creep resistance at high temperatures (ºC)	>100	UN-EN 1110

Environmental Information

Concept	Value	Standard
Post-consumer recycled content (%)	35	-
Manufactured in	Fontanar - Guadalajara (España)	-

Instruction for Use

1. Fist of all, center the plinth on the deck ceiling opening.
2. Fix the plinth to the deck with steel lag screws:r- Three units per meter on the plinth’s perimeter heel. Over concrete slab supports, domes will be installed with concrete screws, washers and Ø6mm lag screws. Over steel deck systems with thermal insulation and waterproofing membrane, domes will be installed with steel screws directly to the structure. If the skylight has to be place before the steel deck, an auxiliary frame welded to the main structure will be required.
3. Install the waterproofing membrane covering the exterior plinth surface.
4. Remove the dome’s protector film.r Place the inferior dome over the plinth and over the.
5. Place the inferior dome over the plinth structure and install the self-adhesive washers on the inferior dome top surface, matching them with spaces to be drilled. Screw the top methacrylate dome, finishing the whole skylight. Do not tight screws in excess, because:

- Domes could be broken.

- Expansion joint effect will be nullified.
6. Place finish cads over the screws.

IMPORTANT: Do not install the dome until plinth has been placed in order to avoid any stain related to waterproofing works.

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**