Technical data sheet

DELTA®-RADONSPERRE 460

Single-layer membrane for protection against radon gas.



Characteristics	Method	Values/descriptions
Description		
Application	-	Installation either (1) on concrete slab or rigid thermal insulation and directly covered by a screed or (2) inserted between concrete slab and rigid thermal insulation or (3) on a mineral layer below the floor slab with additional protective geotextile. Intended use Typ A according to EN 13967.
Material	-	Black polyolefin with anti-slip structured surface (top and bottom)
Special features	EN 1849-2	Due to the high surface weight, DELTA®-RADONSPERRE 460 is hard-wearing and offers high UV resistance, particularly suitable for applications with higher loads or longer outdoor exposure times.
Surface weight	EN 1849-2	approx. 460 g/m²
Thickness	EN 1849-2	approx. 700 µm
Characteristics		
Watertightness	EN 1928 method B	passed (2 kPa – 24 h)
Watertightness after artificial ageing (12 weeks 70 °C)	EN 1296, EN 1928 method B	passed (2 kPa – 24 h)
Watertightness after exposure to alkali	EN 1847, EN 1928	passed
Water vapour resistance (S_d)	EN ISO 12572	approx. 195 m
Radon diffusion coefficient	–	< 5,8 · 10^{-12} m²/s
Mechanical properties		
Tensile strength MD/CMD	EN 12311-2	approx. 350/250 N/5 cm
Elongation at maximum load MD/CMD	EN 12311-2	approx. 80/80 %
Resistance to tearing MD/CMD (nail shank)	EN 12310-1	≥ 200/200 N
Resistance to static load	EN 12730 (A)	No perforation at 20 kg for 24 h
Resistance to impact	EN 12691 (A)	≥ 250 mm
Dimensional stability	EN 1107-2	< 0,5 %
Foldability at low temperature	EN 495-5	up to -40 °C
Miscellaneous characteristics		
Reaction to fire	EN 13501-1	Class E
Dimension	–	25 m × 4,00 m (folded at 2,00 m)
Weight per roll	–	approx. 46 kg
Palletising	–	25 roll/pallet
Test reports	–	Radon tightness test (University of Prague)
CE-conformity	–	EN 13967
Accessories	–	Tapes DELTA®-THENE BAND T 150 or DELTA-MULTI BAND® M 100 (overlappings), DELTA®-THENE CORNER (prefabricated sealing corner), DELTA®-THAN or DELTA®-TILAXX ULTRA (cartridge adhesive), DELTA®-FLEXX-BAND FG 80 (sealing for electrical boxes or cables), DELTA®-FLEXX-BAND FG 150 (sealing around pipe penetration), DELTA®-PROTEKT/DPC (damp proof course)

The content of this data sheet describes the current state of knowledge at the time of publication and make no claim to be complete. The information listed does not release from self-dependent behaviour. With publication of this sheet all previous versions are not valid any longer. Errors and typing errors reserved.

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