Fatrafol 804 Technical Data Sheet

Product Description

Fatrafol 804 is a PVP-P based unreinforced waterproof roofing membrane. It is resistant to UV radiation and can be exposed to the direct weathering influences.

Usage

Fatrafol 804 is identified as a supplement of reinforced roofing system Fatrafol-S only:

- for detailed finishing and unbroken roof surfaces insulated by Fatrafol membranes
- for transverse band joining of Fatrafol 807 membrane

Fatrafol 804 must not be used as a direct waterproofing layer to any building constructions containing tars.

Application

The laying of Fatrafol 804 must be installed by specialised trained installers. All Fatrafol products are applied conformable with fundamentals being set and described in a Construction and Technologic Instruction of the producer, being valid in the time of waterproofing providing. The membrane is mutually jointed by welding of hot air. The laying and jointing can be carried out in temperatures up to -5 degrees celsius.

Product Data

Fatrafol 804 fulfils requirements of the standard EN 13956

Dimensions

Packing, transport & storage: FATRAFOL 804 is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. FATRAFOL 804 must be transported in covered transporting means and stored in original closed packing. The recommended storage temperature is from -5 °C to +30 °C. There is necessary to protect the product from pollution at the building site. There is recommended to protect it from weathering influences till the processing time.

Thickness [mm] (EN 1849-2)	**Width [mm]** (EN 1848-2)	**Length [m]** (EN 1848-2)	**Quantity [m^2]**
1.50 (-0.07; +0.15)	1300 (-6; +13)	20 (-0; +1)	26
1.80 (-0.09; +0.18)	1200 (-6; +12)	15 (-0; +0.7)	18
2.00 (-0.10; +0.20)	1200 (-6; +12)	15 (-0; +0.7)	18
2.00 (-0.10; +0.20)	120 (-2; +4)	35 (-0; +1.7)	4.2

Technical Parameters

Characteristic	Test standard			
		1.50 mm	**1.80 mm**	**2.00 mm**
Visible defects	EN 1850-2	meets	meets	meets
Straightness	EN 1848-2	≤ 50 mm	≤ 50 mm	≤ 50 mm
Flatness	EN 1848-2	≤ 10 mm	≤ 10 mm	≤ 10 mm
Dimensional stability	EN 1107-2	max. ± 2 %	max. ± 2 %	max. ± 2 %
Tensile strength	EN 12311-2	≥ 13 MPa	≥ 13 MPa	≥ 13 MPa
Elongation at break	method B	≥ 220 %	≥ 220 %	≥ 220 %
Tear resistance	EN 12310-2	≥ 100 N	≥ 115 N	≥ 130 N
Foldability at low temperature	EN 495-5	≤ -35 °C	≤ -35 °C	≤ -35 °C
Joint peel resistance	EN 12316-2	≥ 250 N/50 mm	≥ 250 N/50 mm	≥ 250 N/50 mm
Join shear resistance	EN 12317-2	≥ 720 N/50 mm	≥ 850 N/50 mm	≥ 960 N/50 mm
Water tightness 400 kPa	EN 1928 method B	meets	meets	meets
Resistance to static load	EN 12730 method B	meets 20 kg	meets 20 kg	meets 20 kg
Reaction to fire	EN 13501-1	Class E	Class E	Class E
Resistance to impact	EN 12691 method A	meets 1000 mm	meets 1000 mm	meets 1000 mm
	EN 12691 method B	meets 2000 mm	meets 2000 mm	meets 2000 mm
Exposure to UV radiation, elevated temperature and water	EN 1297	meets, grade 0	meets, grade 0	meets, grade 0
Water vapour properties - factor μ	EN 1931	16300 ± 3000	16300 ± 3000	16300 ± 3000

Safety Instruction

Scrap disposal: FATRAFOL 804 must be disposed conformable with valid legal regulations. The clear scrap can be recycled, scrap not suitable for recycling you can depony. Waste, polluted by dangerous substances, is necessary to dispose by burning in the incinerator of dangerous wastes.

Safety at work and health protection

There is necessary to keep all safety, hygienic and fire regulations valid in the time of laying and membrane joining.

Related documentation

- Construction and technologic regulation of roofing waterproofing system Fatrafol-S
- Manufacturing control system certificate No. 1390-CPD-0028/07/Z of waterproofing membranes Fatrafol 804, Fatrafol 807, Fatrafol 808, Fatrafol 814 according to Standard ČSN EN 13956:2006, emitted by CSI, a. s., Prague, workstation Zlín