

Product Description

Fatrafol 810v is a roofing membrane on the basis of PVC-P reinforced with a polyester grid. It is resistant to UV- radiation and can be exposed to the direct weathering influences. The membrane is not compatible with bitumen, protection layer is required where exposed to bitumen. Fatrafol 810 is produced by calendaring and lamination, Fatrafol 810v by a multi-extrusion processing. All the production variants are described in this Technical Data Sheet - further like Fatrafol 810, only.

Usage

Fatrafol 810v is identified first of all making the one layer coating coverings of flat roofs, mechanically anchored to the underlay without loading layers.

Application

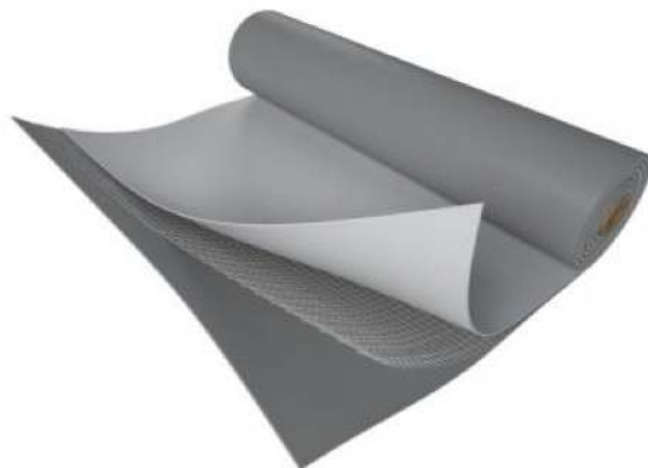
The laying of Fatrafol 810v can be made by specialised and for this purpose trained firms at the constructions.

Fatrafol 810v is 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 must be fixed to a stable part of a roofing coating by suitable way and it is by means of special anchoring elements. The kind of anchoring must be proposed for the particular applications so for being the membrane secured from the dimensional changes and wind suction.

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 810v fulfils requirements of the standard EN 13956



Dimensions:

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length *) [m] (EN 1848-2)	Quantity [m ²]	Weight of the roll [kg]**)
FATRAFOL 810				
1.20 (-0.06; +0.12)	1300 (-6; +13)	20 (-0; +1)	26	41
	650 (-3; +6)	20 (-0; +1)	13	21
	215 (-2; +4)	40 (-0; +2)	8.6	13
	160 (-2; +4)	40 (-0; +2)	6.4	10
	120 (-2; +4)	40 (-0; +2)	4.8	8
1.50 (-0.07; +0.15)	1300 (-6; +13)	20 (-0; +1)	26	51
	1000 (-5; +10)	20 (-0; +1)	20	38
	650 (-3; +6)	20 (-0; +1)	13	26
	215 (-2; +4)	32 (-0; +1.5)	6.88	14
	160 (-2; +4)	32 (-0; +1.5)	5.12	10
2.00 (-0.10; +0.20)	1300 (-6; +13)	15.4 (-0; +0.7)	20	39
FATRAFOL 810/V				
1.20 (-0.06; +0.12)	2000 (-10; +20)	25 (-0; +1)	50	78
	2000 (-10; +20)	20 (-0; +1)	40	61
	1000 (-5; +10)	25 (-0; +1)	25	39
	2050 (-10; +20)	25 (-0; +1)	51.12	80
	1025 (-10; +20)	25 (-0; +1)	25.625	39
	1600 (-10; +20)	25 (-0; +1)	40	61
	1600 (-10; +20)	20 (-0; +1)	32	49
1.50 (-0.07; +0.15)	2000 (-10; +20)	20 (-0; +1)	40	78
	1000 (-5; +10)	20 (-0; +1)	20	39
	2050 (-10; +20)	20 (-0; +1)	41	80
	1025 (-10; +20)	20 (-0; +1)	20.5	40
	1600 (-10; +20)	20 (-0; +1)	32	61
	1600 (-10; +20)	15 (-0; +0.7)	24	46
	1300 (-10; +20)	20 (-0; +1)	26	50
	750 (-10; +20)	20 (-0; +1)	15	29
1.80 (-0.09; +0.18)	2000 (-10; +20)	16.5 (-0; +0.8)	33	77
	1000 (-5; +10)	16.5 (-0; +0.8)	16.5	39
	2050 (-10; +20)	16.5 (-0; +0.8)	33.825	78
	1025 (-10; +20)	16.5 (-0; +0.8)	16.9	39
	1600 (-10; +20)	16.5 (-0; +0.8)	26.4	61
2.00 (-0.10; +0.20)	2000 (-10; +20)	15 (-0; +0.7)	30	78
	1000 (-5; +10)	15 (-0; +0.7)	15	39
	2050 (-10; +20)	15 (-0; +0.7)	15	79
	1025 (-10; +20)	15 (-0; +0.7)	15	39
	1600 (-10; +20)	15 (-0; +0.7)	24	61
2.40 (-0.12; +0.24)	2000 (-10; +20)	13 (-0; +0.65)	26	81
	1600 (-10; +20)	13 (-0; +0.65)	20.8	64

*) The membrane can be provided also in another winding lengths (deviation from the normal length is of -0% + 5%) after agreement between producer and customer

***) Informative value

Packing, transport & storage: Fatrafol 810v is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. FATRAFOL 810v 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.

FATRAFOL 810/V, FATRAFOL 810/V AA						
Characteristic	Test standard	Values of individual product Thicknesses				
		1.20 mm	1.50 mm	1.80 mm	2.00 mm	2.40 mm
Visible defects	EN 1850-2	meets				
Straightness	EN 1848-2	≤ 50 mm				
Flatness	EN 1848-2	≤ 10 mm				
Dimensional stability	EN 1107-2	max. ± 0,3 %				
Tensile strength	MD	EN 12311-2 method A	≥ 1000 N/50 mm	≥ 1000 N/50 mm		≥ 1100 N/50 mm
	CD		≥ 1000 N/50 mm	≥ 1100 N/50 mm		≥ 1200 N/50 mm
Elongation at break	MD	≥ 15 %				
	CD	≥ 20 %				
Tear resistance	MD	EN 12310-2	≥ 200 N		≥ 250 N	
	CD		≥ 220 N		≥ 270 N	
Foldability at low temperature	EN 495-5	≤ -25 °C				
Joint peel resistance	MD	EN 12316-2	≥ 260 N/50 mm			
	CD		≥ 260 N/50 mm			
Joint shear resistance	MD	EN 12317-2	≥ 1000 N/50 mm		≥ 1100 N/50 mm	
	CD		≥ 1000 N/50 mm		≥ 1100 N/50 mm	
Water tightness 400 kPa *)	EN 1928 method B	meets				
Resistance to static load	EN 12730 method B	meets 20 kg				
Resistance to fire	EN 13501-1	Class E				
Resistance to impact	EN 12691 method A	meets 1000 mm	meets 1250 mm		meets 1750 mm	
	EN 12691 method B	meets 2000 mm				
Exposure to UV radiation, elevated temperature and water	EN 1297	meets, grade 0				
Water vapour properties - factor μ	EN 1931	15000 ± 4500				
External fire performance **)	ENV 1187	B _{ROOF} (t1), B _{ROOF} (t2), B _{ROOF} (t3)				
Resistance to root penetration	EN 13948 FLL test	meets				

Technical Parameters

*) The membranes meet the test pressure of 60 kPa.

***) The Fatrafol 810 AA achieved within a given ply-structure of roofing coat a classification of AA rating according to BS 476-3:1958.

MD - Machine Direction, CD - Cross Direction

Safety Instruction

Scrap disposal: Fatrafol 810 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
- Manufacturing control system certificate No. 1390-CPD-0033/06/Z of waterproofing membranes Fatrafol 810/V according to Standard ČSN EN 13956:2006, emitted by CSI, a. s., Prague, workstation Zlín