

Waterproofing membrane STAFOL 914

TL 5-1003-06

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Product description

STAFOL 914 (914/V) is an unreinforced membrane on a base of plasticized polyvinylchloride (PVC-P), type A according to the Standard EN 13967.

STAFOL 914 is produced by calendaring and lamination, STAFOL 914/V by a multi-extrusion processing. All the production variants are described by this Technical Data Sheet - further like FATRAFOL 914, only.

Usage

STAFOL 914 is identified for waterproofing of buildings to ground humidity. It is suitable first of all for the waterproofing of flooring areas of industrial trade and storage halls. Further the membrane can be used as a waterproofing of peripheral masonry to moisture capillarity like there are new objects, then at waterproofing providing of old objects; for insulation in a high aggressive surrounding - like (occurrence of inorganic acids, alkalis and their salts), as a protective or separation layer in the flooring construction, etc. The entire waterproofing coat made of mutual welded sheet bands fulfils simultaneously also a function of the efficient anti-radon barrier. The membrane is not identified for the applications, where it will be directly exposed to the atmospheric influences (mainly UV-radiation) for a long time; it cannot be used like a waterproofing to power water.

Application

STAFOL 914 is applied conformable with fundamentals set and described in the Construction and Technological Prescription of the Producer being valid in the time of waterproofing providing.

The membrane can be mutual joined by hot air welding. The laying and joining can be made under the temperature till up to 0 °C.

Product data

STAFOL 914 fulfils requirements of the Standard EN 13967.

Dimensions:

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length [m] (EN 1848-2)	Quantity [m ²]
STAFOL 914			
0.50 ± 0.05	1400 ± 20	60 (-0; +3)	84
0.60 ± 0.05	1200 ± 20	50 (-0; +2.5)	60
	1300 ± 20	50 (-0; +2.5)	65
	1360 ± 20	450 (-0; +22.5)	612
0.70 ± 0.05	1300 ± 20	40 (-0; +2)	52
0.75 ± 0.05	1300 ± 20	40 (-0; +2)	52
0.80 ± 0.10	1200 ± 20	35 (-0; +1.7)	42
	1300 ± 20	35 (-0; +1.7)	45.5
	1360 ± 20	350 (-0; +17)	476
1.00 (-0.1; +0)	1200 ± 20	30 (-0; +1.5)	36
1.50 ± 0.15	1300 ± 20	20 (-0; +1)	26
STAFOL 914/V			
0.70 ± 0.05	2000 (-10; +20)	40 (-0; +2)	80
0.80 ± 0.10	2000 (-10; +20)	35 (-0; +1.7)	70
1.00 ± 0.10	2000 (-10; +20)	25 (-0; +1.2)	50
1.10 ± 0.10	2000 (-10; +20)	23 (-0; +1.1)	46
1.50 ± 0.10	2000 (-10; +20)	20 (-0; +1)	40

Colour:

STAFOL 914 is produced in a special black colour.

Packing, transport, storage:

STAFOL 914 is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. STAFOL 914 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.

Technical parameters:

Characteristic	Test standard	Values of individual product thicknesses						
		0.50 mm	0.60 mm	0.70 mm 0.75 mm	0.80 mm	1.00 mm	1.10 mm	1.50 mm
Water tightness to liquid state, 2 kPa *)	EN 1928 method B	meets						
Resistance to static loading	EN 12730 method B	meets 20 kg						
Tensile strength	EN 12311-2 method A	≥ 250 N/50 mm	≥ 250 N/50 mm	≥ 300 N/50 mm	≥ 300 N/50 mm	≥ 400 N/50 mm	≥ 400 N/50 mm	≥ 600 N/50 mm
Elongation at break		≥ 200 %	≥ 200 %	≥ 200 %	≥ 200 %	≥ 250 %	≥ 250 %	≥ 250 %
Durability of watertightness againg artifical ageing, 2 kPa *)	EN 1296 EN 1928	meets						
Durability of watertightnessagaing chemicals, 2 kPa *) (Ca(OH) ₂ ; 10% NaCl)	EN 1847 EN 1928	meets						
Impact resistance	EN 12691 method A	meets 400 mm	meets 400 mm	meets 700 mm	meets 700 mm	meets 700 mm ^x 1000 mm ^v	meets 700 mm ^x 1000 mm ^v	meets 700 mm ^x 1000 mm ^v
	EN 12691 method B	meets 1000 mm	meets 1000 mm	meets 1500 mm	meets 1500 mm	meets 1500 mm	meets 1500 mm	meets 1500 mm ^x 1750 mm ^v
Tear rezistance	EN 12310-1	≥ 50 N	≥ 50 N	≥ 80 N	≥ 80 N ^x ≥ 100 N ^v	≥ 100 N ^x ≥ 120 N ^v	≥ 100 N ^x ≥ 120 N ^v	≥ 100 N ^x ≥ 150 N ^v
Reaction to fire	EN 13501-1	Class E						
Joint strength	EN 12317-2	≥ 250 N/50 mm	≥ 250 N/50 mm	≥ 300 N/50 mm	≥ 300 ^x ≥ 350 ^v N/50 mm	≥ 350 ^x ≥ 450 ^v N/50 mm	≥ 350 ^x ≥ 450 ^v N/50 mm	≥ 350 ^x ≥ 720 ^v N/50 mm
Water vapour transmission - factor μ	EN 1931	17500 ± 2000	17500 ± 2000	17500 ± 2000	17500 ± 2000	17500 ± 2000	17500 ± 2000	17500 ± 2000
Square weight, informative value	EN 1849-2	0.66 kg.m ⁻²	0.79 kg.m ⁻²	0.92 0.99 kg.m ⁻²	1.06 kg.m ⁻²	1.32 kg.m ⁻²	1.45 kg.m ⁻²	1.98 kg.m ⁻²
Straightness	EN 1848-2	meets						
Diffusion radon coefficient in isolation D	K 124/02/95 ČVUT Praha	7.3 · 10 ⁻¹² m ² .s ⁻¹						

^x STAFOL 914, ^v STAFOL 914/V

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

Safety instruction**Scrap disposal**

STAFOL 914 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

Related documentation

- Construction and technologic regulation of waterproofing system FATRAFOL-H
- Manufacturing control system certificate No. 390-CPD-0022/06/Z of waterproofing membrane STAFOL 914, EKOPLAST 806, AQUAPLAST 805, FATRAFOL 803 according to Standard ČSN EN 13967:2005, emitted by CSI, a. s., Prague, workstation Zlín
- Manufacturing control system certificate No. 1390-CPD-0635/08/Z of waterproofing membrane STAFOL 914/V according to Standard ČSN EN 13967:2005, emitted by CSI, a. s., Prague, workstation Zlín
- Record of measurement - Radon diffusion coefficient within membrane STAFOL 914

Producer

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