

Waterproofing membrane STAFOL 914

TL 5-1003-06

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Product description

STAFOL 914 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 calendering and lamination.

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]
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
0.80 ± 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

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	0.80 mm	1.00 mm	1.50 mm
Visible defects	EN 1850-2	meets					
Straightness	EN 1848-2	meets					
Water tightness to liquid water 400 kPa	EN 1928 method B	meets					
Resistance to static load	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	≥ 600 N/50 mm
Elongation at break		≥ 200 %	≥ 200 %	≥ 200 %	≥ 250 %	≥ 250 %	≥ 250 %
Durability of watertightness against artificial ageing	EN 1296 EN 1928	meets					
Durability of watertightness against chemicals (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	meets 700 mm
	EN 12691 method B	meets 1000 mm	meets 1000 mm	meets 1500 mm	meets 1500 mm	meets 1500 mm	meets 1500 mm
Tear rezistance	EN 12310-1	≥ 50 N	≥ 50 N	≥ 80 N	≥ 80 N	≥ 100 N	≥ 100 N
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	≥ 350 N/50 mm	≥ 350 N/50 mm	≥ 350 N/50 mm
Water vapour transmission - factor μ	EN 1931	17500 ± 2000	17500 ± 2000	17500 ± 2000	17500 ± 2000	17500 ± 2000	17500 ± 2000
Mass per unit area - informative value	EN 1849-2	0.66 kg.m ⁻²	0.79 kg.m ⁻²	0.92 kg.m ⁻²	1.06 kg.m ⁻²	1.32 kg.m ⁻²	1.98 kg.m ⁻²

*) 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 joining.

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
- Record of measurement - Radon diffusion coefficient within membrane STAFOL 914

Producer

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