



EC DECLARATION OF CONFORMITY

The produce declares conformity with the Directive no. 89/106/EEC, amended by the Directive 93/68/EEC:

Producer: Fatra, a.s. Napajedla, tř. Tomáše Bati 1541, Post-Code 763 61, Czech Republic

Production place: Fatra, a.s. Napajedla, tř. Tomáše Bati 1541, Post-Code 763 61, Czech Republic

The produce declares conformity with the following standards and technical specifications: EN 13956:2006, Enclosure ZA - Table ZA.1, system declaration of conformity 2+

Product: FATRAFOL 818/V

Characteristic	Test standard	Values of individual product thicknesses		
		1.20 mm	1.50 mm	1.80 mm
Visible defects	EN 1850-2	meets	meets	meets
Straightness	EN 1848-2	≤ 30 mm	≤ 30 mm	≤ 30 mm
Flatness	EN 1848-2	≤ 10 mm	≤ 10 mm	≤ 10 mm
Dimensional stability	EN 1107-2	max. ± 0,1 %	max. ± 0,1 %	max. ± 0,1 %
Tensile strength	EN 12311-2	≥ 11 MPa	≥ 11 MPa	≥ 11 MPa
Elongation at brake	method B	≥ 200 %	≥ 200 %	≥ 200 %
Tear resistance	EN 12310-2	≥ 90 N	≥ 120 N	≥ 150 N
Foldability at low temperature	EN 495-5	≤ -30 °C	≤ -30 °C	≤ -30 °C
Joint peel resistance	EN 12316-2	≥ 250 N/50 mm	≥ 250 N/50 mm	≥ 250 N/50 mm
Joint shear resistance	EN 12317-2	≥ 500 N/50 mm	≥ 650 N/50 mm	≥ 800 N/50 mm
Water tightness to liquid state, 10 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
Impact resistance	EN 12691 method A	meets 1000 mm	meets 1250 mm	meets 1500 mm
	EN 12691 method B	meets 2000 mm	meets 2000 mm	meets 2000 mm
Exposition to UV-radiation, higher temperature and water (for 818/V-UV only)	EN 1297	meets grade 0	meets grade 0	meets grade 0
Water vapour properties - factor μ	EN 1931	20000 ± 4000	20000 ± 4000	20000 ± 4000

Product description

FATRAFOL 818/V (818/V-UV) is a roofing membrane on PVC-P basis with inbuilt glass fleece. Membrane is produced by a multi-extrusion processing. Variant 818/V-UV is with UV stabilization.

FATRAFOL 818/V (818/V-UV) is identified for providing the one layer coating of flat roof coverings being loaded with aggregates, functional or vegetative layers.


FATRAFOL 818/V is not long-stable resistant to UV radiation; that is why the loaded layer has to ensure a durable membrane protection from direct influence of weathering influences. There is necessary to use FATRAFOL 818/V-UV or FATRAFOL 810 membranes due to section working, where the membrane will be exposed to weathering.

FATRAFOL 818/V-UV is long term resistant to UV radiation that is why the membrane is identified first of all for applications, where there is impossible to ensure protection from direct influence of weathering influences within the entire area of the roof cladding – as e. g. it is pawing on beds.
FATRAFOL 818/V-UV can be used for working of attics.

The product has been judged by a **notified person** no. 1390: **Centre of Building Construction, Engineering, Joint Stock Company** (Centrum stavebního inženýrství, a.s. Praha.), workplace Zlín, K Cihelně 304, 764 32 Zlín-Louky, the Czech republic., IČ: CZ45274860, represented by Dipl. Ing. Petr Kučera, CSc.

On the basis of evaluation there was **issued**:
Factory production control certificate of the product :

- ES Certificate No. : 1390-CPD-0140/09/Z

Dipl. Ing. Ivo Špaček	
Head of quality and ekology department	
Date 15.11.2010	Fatra, a.s. 084 tř. T. Bati 1541 763 61 Napajedla