



fatrafol®



CATALOGUE OF WATERPROOFING MEMBRANES AND ACCESSORIES

www.fatrafol.cz



FATRA, a.s., COMPANY PROFILE

Fatra, a.s. is among leading manufacturers of PVC and an integral part of the plastics industry both in the Czech Republic and Central Europe.

More than half of its production is marketed abroad.

Fatra, a.s. uses modern plastic processing technologies at two manufacturing plants in Napajedla and Chropyně, employing almost 1000 people.

Fatra, a.s. is a member of the AGROFERT HOLDING Group, whose members are strong entities focused on agriculture, food processing and the chemical industry. For the agricultural sector AGROFERT, a.s. has the highest turnover and the second highest for the chemical industry in the Czech Republic at present.

PRODUCTION AND SALES

Primary product groups comprise PVC and TPO:








- PVC floor coverings named LINO FATRA, THERMOFIX, FatraClick and SPORTING
- Waterproofing membranes FATRAFOL for roof, ground, pond and special applications
- Technical vinyl membranes
- Extruded profiles
- PVC granules
- BO PET – TENOLAN and FOLAM, biaxially oriented polyester membranes
- PPF and L – vapour-permeable membranes and laminates named SONTEK F and SONTEK L
- Special products – membranes and boards, injected products

Production and sale are certified in accordance with Czech standards ČSN EN ISO 9001 and 14001.

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01

ROOF WATERPROOFING
MEMBRANE



High quality

High quality and longlasting waterproofing of a roof is among the most important elements whenever you decide on building a house.

The most frequently used modern materials involve FATRAFOL PVC and TPO waterproofing membranes manufactured by Fatra, a.s., a company based in the Czech Republic.



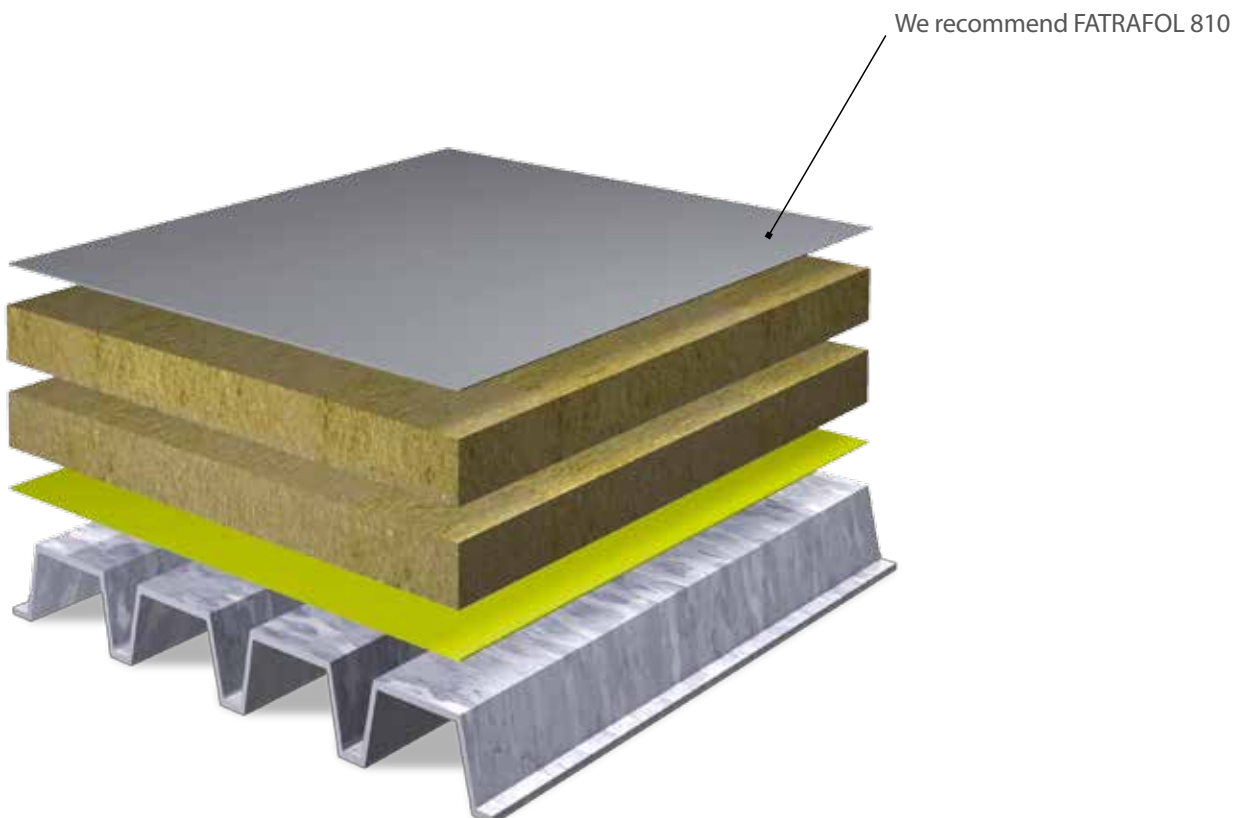
01

ROOF WATERPROOFING MEMBRANE

FATRAFOL-S waterproofing roof system is intended for flat or slightly pitched roofs on residential, commercial, administrative, industrial, agricultural, or sports buildings. The system is suitable for both single ply or double ply, ventilated and unventilated roofs, with a layer of thermal insulation under or above membrane, flat roofs as well as pitched roofs, for roofs with or without walkways, for roofs with gravel or soil, green roofs, roofs with irrigation, etc. FATRAFOL-S waterproofing membranes, depending on the type, may be installed on all usual surfaces both on new or older buildings undergoing repair, reconstruction and modernisation.

ADVANTAGES

- excellent resistance to weather
- structural strength and resistance
- very good chemical resistance
- high water vapour permeability
- resistant to roots
- excellent weldability
- minimum additional load on roof structure



FATRAFOL 810 a 810/V

WATERPROOFING MEMBRANE FOR MECHANICALLY ANCHORED ROOF COATINGS



CHARACTERISTICS

- PVC-P based waterproofing roof membrane reinforced with polyester mesh
- resistant to UV radiation, may be exposed directly to weather
- manufactured in various colours
- FATRAFOL 810 and FATRAFOL 810 AA are manufactured by rolling and laminating
- FATRAFOL 810/V is manufactured via multiple extrusions
- FATRAFOL 810 AA (810/V AA) has increased fire resistance (classification B ROOF_{T3})

FIELD OF USE

- waterproofing membrane for mechanically anchored systems directly exposed to weather conditions without any protective layer
- also produced in white colour to increase reflection of sun rays (SRI 108)

Membrane can be mutually joined by hot air welding at ambient temperature above -5°C .

	Thickness (mm)	Width (mm)	Length (m)	m ² /roll
FATRAFOL 810	1,2	1300	20,0	26,00
	1,5	1300	20,0	26,00
	2,0	1300	15,0	19,50
FATRAFOL 810/V	1,2	1025	25,0	25,625
		1600	25,0	40,00
		2050	25,0	51,25
	1,5	1025	20,0	20,50
		1600	20,0	32,00
		2050	20,0	41,00
	1,8	2050	16,5	33,825
2	2050	15,0	30,75	

For colour variants and non-standard membrane widths contact Fatra, a.s. sales department



FATRAFOL 804

WATERPROOFING MEMBRANE INTENDED FOR DETAILS AND INTRICATE SURFACES



CHARACTERISTICS

- homogeneous (unreinforced) PVC-P based membrane
- resistant to UV radiation, may be exposed directly to weather

FIELD OF USE

- complementary membrane
- intended for complicated roof surfaces and detail finishing
- thickness of 1.5 mm is recommended only in combination with membrane 1.2 mm used in the roof area
- not suitable for covering the whole area, cannot be mechanically anchored

Membrane can be mutually joined by hot air welding at ambient temperature above –5 °C.

	Thickness (mm)	Width (mm)	Lenght (m)	m ² /roll
FATRAFOL 804	2,0	1200	15	18
	1,5	1300	20	26

For colour variants and non-standard membrane widths contact Fatra, a.s. sales department

FATRAFOL 807

ROOF MEMBRANE FOR RENOVATION OF BITUMINOUS ROOFS



CHARACTERISTICS

- PVC-P based membrane with underlying layer of non-woven PES fabric
- resistant to UV radiation
- membrane may be exposed directly to weather
- one side of the membrane is left without non-woven fabric in order to allow longitudinal connection of strips

FIELD OF USE

- sanitation of old bituminous coating on flat roofs
- adhered roofing systems
- suitable for direct application on bitumen

Membrane can be mutually joined by hot air welding at ambient temperature above –5 °C. If bonding to the substrate should be performed, follow temperatures and conditions recommended by adhesive manufacturer.

FATRAFOL 807/V

WATERPROOFING MEMBRANE FOR THE ADHESIVE SYSTEMS



CHARACTERISTICS

- PVC-P based membrane with underlying layer of non-woven PES fabric
- resistant to UV radiation, may be exposed directly to weather
- structure similar to that of 807, however the layer PVC is completely homogeneous

FIELD OF USE

- intended for adhering directly to roof structure meeting requirements on evenness of surface (cestris boards, vibrated concrete etc.) and on a suitable layer of thermal insulation
- it is recommended to use polyurethane adhesives

Not suitable for mechanical anchoring and contact with bitumen. Membrane can be mutually joined by hot air welding at ambient temperature above -5 °C. If bonding to the substrate should be performed, follow temperatures and conditions recommended by adhesive manufacturer.

	Thickness (mm)	Width (mm)	Length (m)	m ² /roll
FATRAFOL 807	2.6 (PVC 1.5)	1300 (free edge 50 mm)	15.4	20.00
FATRAFOL 807/V	1.6 (PVC 1.2)	2050	19	38.95
	1.9 (PVC 1.5)	(free edge 80 mm)	16	32.80
	2.4 (PVC 2.0)		13	26.65

For colour variants and non-standard membrane widths contact Fatra, a.s. sales department



FATRAFOL P 918

TPO BASED ROOF MEMBRANE (THERMOPLASTIC POLYOLEFIN)



CHARACTERISTICS

- membrane with integrated fibreglass fleece
- resistant to UV radiation, may be exposed directly to weather
- roofing membrane does not require any maintenance and provides long-lasting durability
- suitable for a direct contact with bitumen and polystyrene without any separation layer

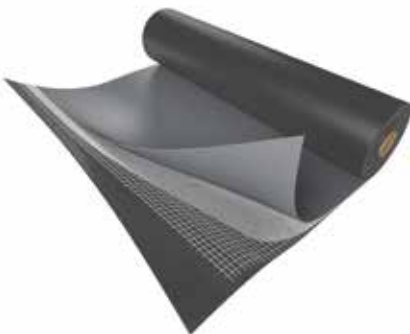
FIELD OF AREA

- installation of single-layer roofing on flat roofs
- suitable for roofs ballasted with gravel, operational or vegetative layer
- membrane can be also mechanically anchored

Membrane can be mutually joined by hot air welding at ambient temperature above -10 °C.

FATRAFOL P 918/SG-PV

TPO BASED ROOF MEMBRANE (THERMOPLASTIC POLYOLEFIN)



CHARACTERISTICS

- combined reinforcement (PES grid + fleece)
- resistant to UV radiation, may be exposed directly to weather
- high strength and great dimensional stability
- excellent chemical resistance – can be installed directly on bitumen and polystyrene

FIELD OF USE

- suitable for virtually all types of roofs
- intended for places where roof waterproofing membrane should provide trouble-free function and long-lasting durability

Membrane can be mutually joined by hot air welding at ambient temperature above -10 °C

FATRAFOL P 918/H

TPO BASED ROOF MEMBRANE (THERMOPLASTIC POLYOLEFIN)



CHARACTERISTICS

- homogeneous roof membrane
- accessories to FATRAFOL P 918 and FATRAFOL P 918/SG TPO membranes
- excellent chemical resistance, tolerant with polystyrene and with bitumen

FIELD OF USE

- complementary membrane (for TPO membrane FATRAFOL P 918 and FATRAFOL P 918/SG)
- intended for complicated roof surfaces and details
- not suitable for covering the whole area, mechanically anchored roofing

Membrane can be mutually joined by hot air welding at ambient temperature above -10°C

	Thickness (mm)	Width (mm)	Length (m)	m ² /roll
FATRAFOL P 918	1,5	2050	20,0	41,000
	1,8		16,5	33,825
	2,0		15,0	30,750
FATRAFOL P 918 SG-PV	2,0	2050	15	30,750
FATRAFOL P 918/H	2,0	1025	15	15,375
		2050		30,750

For colour variants and non-standard membrane widths contact Fatra, a.s. sales department



02

VEGETATED ROOFS WATERPROOFING



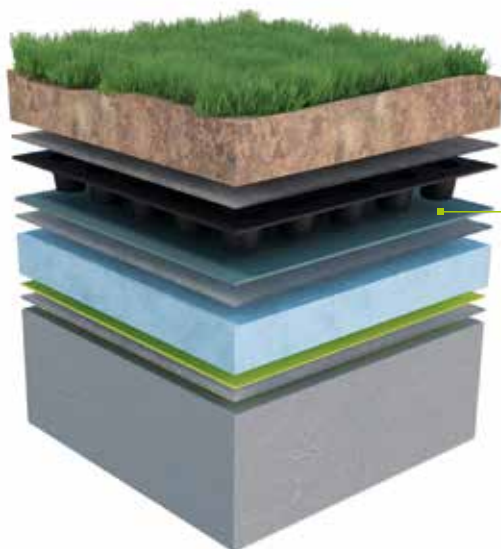
Ecology

Vegetated roofs belong to the boldest trends within the environmentally friendly construction industry. These roofs require hard wearing waterproofing membranes resistant to plant root penetration, load and increased moisture. FATRAFOL membrane is among the best waterproofing membranes for vegetated roofs.



02 VEGETATED ROOFS WATERPROOFING

Long-term functional and reliable waterproofing is the most important part of green roofs. PVC membrane FATRAFOL 818/V is the best solution to use for this matter. Membrane holds FLL certificate – attest against roots penetration.



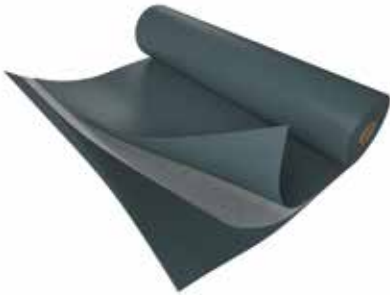
We recommend FATRAFOL 818/V

ADVANTAGES

- replacement of vegetation lost by new buildings
- positive effect on the heat-technical and acoustic parameters of roof
- improve the microclimate around the building
- flow rate reduction of rain water in drainage system
- waterproofing protection

FATRAFOL 818/V

WATERPROOFING PROTECTION



CHARACTERISTICS

- membrane without UV stabilisation
- reinforced by fibreglass fleece
- not suitable for mechanical anchoring

FIELD OF USE

- single ply layer installation for vegetative, ballasted, operational roofs
- FATRAFOL 818/V-UV or FATRAFOL 810 membrane must be used for sections where the membrane is to be exposed to the weather

Membrane can be mutually joined by hot air welding at ambient temperature above -5°C .

FATRAFOL 818/V-UV

WATERPROOFING LAYER WITH UV STABILISATION FOR BALLASTED ROOFS



CHARACTERISTICS

- roof membrane with UV stabilisation
- reinforced by fibreglass fleece
- not suitable for mechanical anchoring

FIELD OF USE

- for roofs where protection against UV radiation cannot be provided for the whole area (such as the floor tiles on plastic supports)
- for details, cut-outs and other difficult areas use FATRAFOL 804 membrane

Membrane can be mutually joined by hot air welding at ambient temperature above -5°C .

	Thickness (mm)	Width (mm)	Length (m)	m ² /roll
FATRAFOL 818/V	1,5	2050	20,0	41,000
FATRAFOL 818/V-UV	1,8		16,5	33,825
	2,0		15,0	30,750

For colour variants and non-standard membrane widths contact Fatra, a.s. sales department

03

WATERPROOFING MEMBRANE FOR BALCONIES AND TERRACES





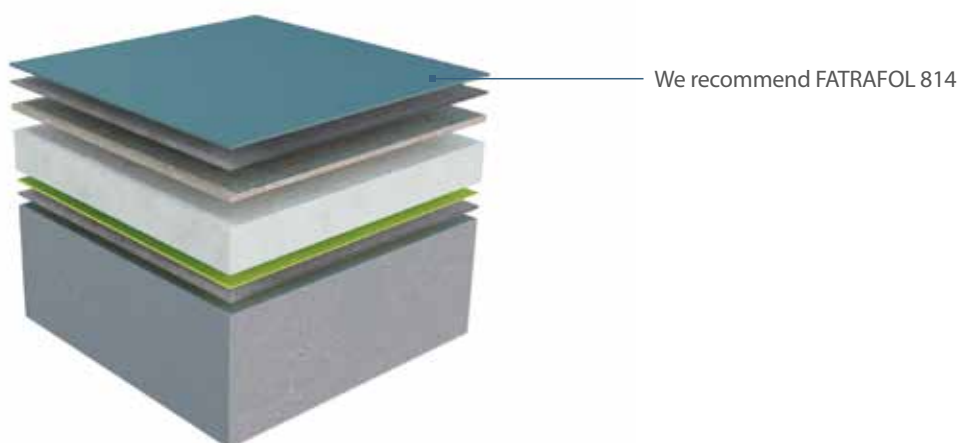
Universality

Terraces and balconies are outdoor areas of buildings primarily used by their users for relaxation and social activities. In order for balconies and terraces to fulfil their purposes, a functional and reliable waterproofing membrane such as FATRAFOL 814, is of uttermost importance.

03

WATERPROOFING MEMBRANE FOR BALCONIES AND TERRACES

Balconies and terraces are standard building elements which help extend residential and commercial areas of buildings. It is essential in these structures that the waterproofing membranes have great dimensional stability and are capable of bearing long-term traffic. The FATRAFOL membrane can be used also as a non slip final walkway layer. Walkway and waterproofing layer installed in one step.



ADVANTAGES

- waterproofing and walkway membrane in one product
- anti-slip design surface finish
- maximum mechanical resistance due to thickness 2.5 mm

FATRAFOL 814

ROOF MEMBRANE ON TRAFFICABLE ROOFS, TERRACES AND BALCONIES



CHARACTERISTICS

- PVC-P based membrane
- reinforced with fibreglass fleece
- upper side provided with special non slip surface
- resistant to UV, may be exposed directly to weather

FIELD OF USE

- waterproofing terraces and balconies of residential houses
- walkways on flat roofs

The FATRAFOL 814 roof membrane is applied in a specific way (without overlapping the joints) that creates even surface without joints, not allowing the creation of rain water puddles.

Membrane can be mutually joined by hot air welding at ambient temperature above 0 °C.

	Thickness (mm)	Width (mm)	Lenght (m)	m ² /roll
FATRAFOL 814	2,5	1 000	12	12

For colour variants and non -standard membrane widths contact Fatra, a.s. sales department



04

GROUND WATERPROOFING MEMBRANES



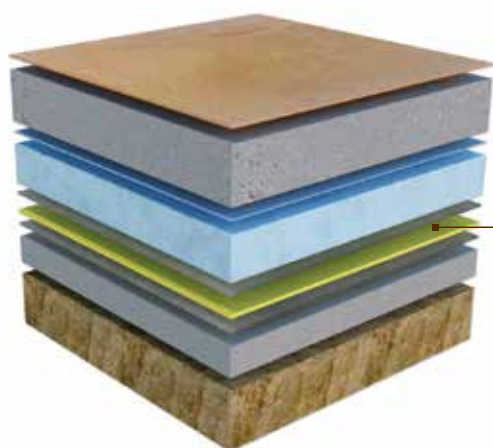
Reliability

The future of an entire building depends on the insulation of the foundation. Unlike flat roofs waterproofing membranes, ground membranes are after completion inaccessible and therefore very difficult to repair. When choosing waterproofing material it is necessary to look for good quality and resistance which is characteristic for ground system Fatrafol-H.



04 GROUND WATERPROOFING MEMBRANES

FATRAFOL-H system membranes are usually intended as waterproofing insulation closed on top and bottom in construction material as single ply waterproofing against ground moisture, subsurface and underground water, pressure water, certain fluids and radon. FATRAFOL-H membranes are used as waterproofing insulation for lower parts of all types of residential, commercial, administrative, industrial, agricultural and sports buildings etc.



We recommend FATRAFOL 803

ADVANTAGES

- high strength and elongation at break
- guaranteed compression strength
- excellent weldability
- resistance to aggressive underground water
- elasticity and flexibility in the cold
- excellent resistance to perforation
- resistance to plant root penetration
- environmentally friendly and not harmful to health

FATRAFOL 803 a 803/V

WATERPROOFING AGAINST GROUND MOISTURE, PRESSURE WATER AND RADON



CHARACTERISTICS

- plasticized polyvinyl chloride based unreinforced membrane(PVCP), type T
- FATRAFOL 803 membrane is manufactured by rolling and laminating, FATRAFOL 803/V by multiple extrusion
- excellent chemical resistance against most inorganic acids, bases and their salts

FIELD OF USE

- waterproofing of ground and underground parts of constructions against aggressive pressure and uprising of ground water
- waterproofing hydraulic structures, tunnels, basins, sumps, agricultural structures and disposal site for industrial products whose chemical effects comply with the resistance of the membrane guaranteed by its manufacturer
- insulating layer preventing liquids and extracts from escaping into groundwater
- establishing an efficient radon barrier

FATRAFOL 803 and 803/V may be joined through hot air welding. Sealing compound can be added to ensure quality of joint. Manipulation, installation and hot air welding can be done at ambient temperature above 0 °C. The membrane must be protected against mechanical damage on both sides by non-woven fabrics of synthetic fibres.

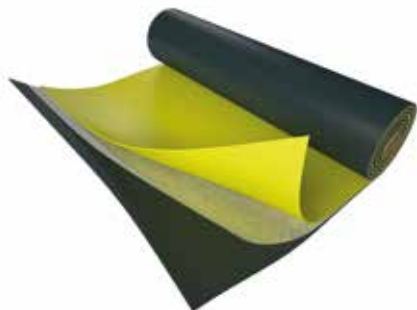
	Thickness (mm)	Width (mm)	Roll lenght (m)	m ² /roll
FATRAFOL 803	0,60	1300	50	65
	0,80	1300	35	42
	1,00	1300	30	39
	1,50	1300	20	26
	2,00	1200	15	18
FATRAFOL 803/V	1,00	2000	25	60
	1,50	2000	15	40

For colour variants and non-standard membrane widths contact Fatra, a.s. sales department



FATRAFOL 813/V a 813/VS

WATERPROOFING LOWER PARTS OF CONSTRUCTIONS AGAINST MOISTURE, PRESSURE, PERCOLATING WATER AND RADON



CHARACTERISTICS

- plasticized polyvinyl chloride based membrane (PVC-P), type T
- reinforced with integrated fibreglass fleece
- dimensional stability at high temperatures
- great strength and chemical resistance against petroleum contaminated water
- 813V/S is provided with signal yellow layer

FIELD OF USE

- for closed waterproofing of ground and underground structures against aggressive pressure and uprising ground water
- application in extreme weather conditions, possibility of hot air welding at high ambient temperature
- designed for application no long vertical surfaces without sagging
- suitable in environments where petroleum products like mineral oil or diesel contamination may occur
- used in walls structures in accordance with the Czech Standard ČSN EN 14909:2006

Membrane can be mutually joined by hot air welding at ambient temperature above -5°C

	Thickness (mm)	Width (mm)	Lenght (m)	m ² /roll
FATRAFOL 813/V and 813/VS	1,5	2050	20	41,00
	2,0		15	30,75



EKOPLAST 806

WATERPROOFING AGAINST PRESSURE WATER AND PETROLEUM PRODUCT SPILLS



CHARACTERISTICS

- plasticized polyvinyl chloride based unreinforced membrane(PVC-P), type T
- made from a special compound with excellent resistance to oil products

FIELD OF USE

- protection layer against leakage of petroleum compounds (temporarily stored and handled) into ground and surface water
- insulation of manipulation areas, emergency and interception reservoirs used against the leakage of petrol, kerosene, diesel oil, heating oil and fuel oil, etc.
- only as an integrated layer, not intended to be used as an upper layer
- not suitable for waterproofing of long period storage basin of oil compounds
- can be used as radon barrier

Membrane can be mutually joined by hot air welding at ambient temperature above +5 °C.

	Thickness (mm)	Width (mm)	Roll lenght (m)	m ² /roll
EKOPLAST 806	0,6	1300	50	65
	1,0		30	39
	1,5		20	26
	2,0		15	18



STAFOL 914

SUBSTRUCTURE WATERPROOFING AGAINST GROUND MOISTURE AND RADON



CHARACTERISTICS

- plasticized polyvinyl chloride based unreinforced membrane (PVCP), type A
- easy, fast and cost-effective waterproofing of buildings

FIELD OF USE

- waterproofing of floor structures of all kinds against ground moisture
- waterproofing of perimeter walls against elevating moisture in new or reconstructed buildings
- waterproofing of old buildings, waterproofing of areas with high aggressivity (occurrence of inorganic acids, bases and their salts)
- protective or separation layer in floor structures, etc.
- waterproofing membrane covering the whole area of mutually welded membrane strips acts also as a radon barrier

STAFOL 914 membranes are joined for the purposes of substructure waterproofing by hot air welding with 50 mm overlap.

Membrane can be mutually joined by hot air welding at ambient temperature above 0 °C.

	Thickness (mm)	Width (mm)	Lenght (m)	m ² /roll
STAFOL 914	0,7	1300	50	65
	0,8	1200	35	42



EKOTEN 915

WATERPROOFING AGAINST GROUND MOISTURE, RADON AND PETROLEUM COMPOUNDS



CHARACTERISTICS

- unreinforced membrane of high-density polyethylene PE-HD, type T
- excellent chemical resistance

FIELD OF USE

- for ground integral and face waterproofing
- dumping site insulation and tank waterproofing against aggressive liquids
- insulation of manipulation areas, interception and emergency reservoirs used against the leakage of petroleum compounds including petrol
- waterproofing lower parts of constructions against moisture and water, including hydrostatic pressure of ground water and radon

	Thickness (mm)	Width (mm)	Roll lenght (m)	m ² /roll
EKOTEN 915	1,0	1000	40	40
	1,5		27	27
	2,0		20	20
	1,0	1300	40	52
	1,5		27	35
	2,0		20	26



FATRAFOL P 922

TPO WATERPROOFING AGAINST GROUND MOISTURE, PRESSURE WATER AND PETROLEUM COMPOUNDS



CHARACTERISTICS

- membrane based on a special type of thermoplastic polyolefin (TPO)
- can be welded by hot air
- environmentally friendly and not harmful to health

FIELD OF USE

- ground waterproofing of constructions against water including water with increased chemical aggressivity and at the same time to protect ground water against leakage of specific petroleum compounds
- waterproofing of manipulation areas, emergency and interception reservoirs, protection against petrol, kerosene, diesel and fuel oil, heating oil and transformer-cooling oil
- membrane of 1.5 mm thickness is suitable as waterproofing against pressure water

Membrane may be mutually joined through hot air welding or a heat wedge using tools with automatic temperature control at minimum ambient temperature is 0 °C.

	Thickness (mm)	Width (mm)	Lenght (m)	Package (m ² /roll)
FATRAFOL P 922	1,0	2000	30	60
	1,5		20	40



SANOTEN 1116

WATERPROOFING WALL STRUCTURES AGAINST GROUND MOISTURE



CHARACTERISTICS

- unreinforced membrane of low-density polyethylene PE-LD
- easy and cost-effective waterproofing of buildings

FIELD OF USE

- building sanitation as additional insulation for undercut walls, when exposed to ground moisture can be connected to bitumen
- radon barrier

	Thickness (mm)	Width (mm)	Roll lenght (m)	m ² /roll
SANOTEN 1116	0,8	1000	67	67
	1,0		54	54
	1,5		36	36
	2,0		27	27
	0,8	1300	67	87,1
	1,0		54	70,2
	1,5		36	46,8
	2,0		27	35,1



05

WATERPROOFING MEMBRANES FOR
PONDS, BIOTOPES AND OTHER BODIES
OF WATER-POND LINERS





Resistance

Garden ponds, biotopes and fish ponds are very popular elements in garden architecture all around the world . Reliable waterproofing is fundamental in these types of structures. AQUAPLAST 805 membranes and FATRAFOL P 923 membranes are classified as the most reliable products available on the market.

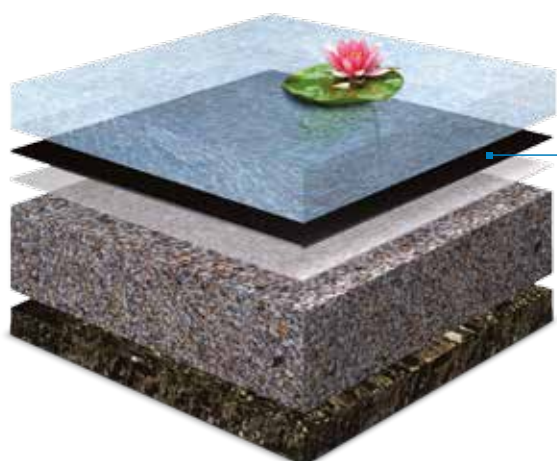


fatra

05

WATERPROOFING MEMBRANES FOR PONDS, BIOTOPES AND OTHER BODIES OF WATER-POND LINERS

AQUAPLAST 805 pond liner is intended for waterproofing garden ponds, fish ponds, biotopes and other bodies of water (swimming and fire reservoirs, fish ponds, etc.). Individual strips of the pond liner are easy to weld into any required shape and size.



We recommend AQUAPLAST 805/V

ADVANTAGES

- resistance to mechanical damage
- resistance to water of various hardness and aggressivity
- quick and trouble-free work on details
- high elongation at break and elasticity
- perfect weldability
- perfectly adaptable to intricate surfaces
- environmentally friendly and not harmful to health
- production of welded membrane sheets – membranes are welded together into large sheets, minimize welds, the maximum speed of assembly

AQUAPLAST 805 a 805/V

POND MEMBRANE



CHARACTERISTICS

- plasticized polyvinyl chloride based unreinforced membrane (PVC-P)
- resistant UV radiation, very good chemical resistance against all natural resources of water irrespective of the amount of minerals and organics dissolved in the water
- membrane is harmless to fish and water plants

FIELD OF USE

- installation of garden pond liners, to create biotopes, where the membrane serves to prevent water loss through leakage
- waterproofing of fish ponds, fire reservoirs, small water reservoirs, irrigation basins, etc.

For the purposes of ensuring long-lasting durability of the pond liner, it is recommended that the membrane should be protected against mechanical damage and weather by suitable protective material (such as Fatratex synthetic geotextile covered with a stabilisation layer like gravel or soil, etc.).

Membrane may be mutually joined through hot air welding at ambient temperature above 0 °C, however, we recommend to apply the material at ambient temperatures above +10 °C.

AQUAPLAST 805/V-F

POND LINER



CHARACTERISTICS

- made by extrusion from selected secondary materials of PVC-P and defined composition not containing any other polymers
- resistant to UV radiation

FIELD OF USE

- designed for production of welded pond liners into large sheets for lining garden ponds, small water reservoirs, irrigation basins, etc.

Membrane may be mutually joined through hot air welding at ambient temperature above 0 °C, however, we recommend to apply the material at ambient temperatures above +10 °C.

FATRAFOL P 923

TPO POND MEMBRANE



CHARACTERISTICS

- membrane based on a special type of thermoplastic polyolefin (TPO)
- can be welded by hot air
- resistant to UV radiation

FIELD OF USE

- waterproofing ponds and other bodies of water (garden ponds, swimming pools, fire tanks, waterproofing of fish ponds, etc.) particular strips of the membrane can be welded to achieve any required shape and size
- prevents water loss through leakage, it is highly flexible at low temperatures
- it is recommended to use FATRATEX geotextile under the membrane to eliminate risk of damage or penetration
- not suitable for closed application as pressure insulation.

Membrane may be mutually joined through hot air welding at ambient temperature above 0 °C, however, we recommend to apply the material at ambient temperatures above +10 °C.

	Thickness (mm)	Width (mm)	Length (m)	m ² /roll
AQUAPLAST 805	1	1300	30	39
	1,5		20	26
AQUAPLAST 805/V	1	2000	25	50
	1,5		15	30
AQUAPLAST 805/V-F	1	2000	125	250
	1,5		15	30
FATRAFOL P 923 (TPO)	1	2000	30	60
	1,5		20	40

For colour variants and non-standard membrane widths contact Fatra, a.s. sales department





06 AUXILIARY MATERIALS





Complexity


A good roof is not only made by waterproofing membranes but also by additional high quality materials and equipment.

Fatra, a.s. offers the possibility of complete delivery of necessary materials right to your construction site, which saves you time and makes project organisation easier.

We are a reliable partner.



PROTECTIVE TEXTILES (GEOTEXTILE)

Item/application	Square weight (g/m ²)	Width (mm)	Colour	Package (m ² /roll)
	FATRATEx-H Geotextile for protecting and separating waterproofing membranes on lower parts of constructions and garden ponds			
	150	2000	black	200
	200			100
	300			100
	500			60
	FATRATEx Geotextile for protecting and separating waterproofing membranes of roof systems, calendered on both sides			
	200	2000	white	100
	300			100
	500			60
	FATRATEx-S Protective textile and separation based on 100 % POP for FATRAFOL-S			
	200	2000	white	100
	300			100
500	60			

VAPOUR BARRIER

Item / application	Thickness (mm)	Width (mm)	Package (m ² /roll)
	FATRAPAR Vapour barrier for flat and pitched roofs		
	0.15	2000	100
	0.15	4000	100
	0.20	2000	100
	0.20	4000	100



PLASTIC COATED SHEETS

PVC VARIETY



	Item FATRANYL	Dimensions (length × width in mm) 2000 × 1000
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TYPES OF FATRANYL PROFILES – EXAMPLES OF APPLICATION – DIMENSIONS

Profile number	Variety	Profile title	Profile scheme and application	Developed width (mm)	Length dimensions (mm)						Angle dimensions (°)				Package (pcs)	
					a	b	c	d	e	f	α	β	γ	δ		
1	A	Inner L-profile		70	50	20	-	-	-	-	95	-	-	-	10	
	B				70	50	20	-	-	-	-	110	-	-	-	10
2	A	Outer L-profile		70	50	20	-	-	-	-	88	-	-	-	10	
3	A	Sealing profile		70	10	10	50	-	-	-	145	-	-	-	10	
	B				100	10	10	80	-	-	-	145	-	-	-	10
4	A	Cutting profile		100	15	75	10	-	-	-	92	-	-	-	10	
5	B	Drip mould normal		200	10	40	150	-	-	-	35	105	-	-	5	
	C				250	10	40	200	-	-	-	35	105	-	-	5
6	A	Flat profile		71	61	10	-	-	-	-	-	-	-	-	10	
7	A	Hook-shaped drip mould		150	10	60	30	50	-	-	35	65	150	-	5	
	B				200	10	60	30	100	-	-	35	65	150	-	5
	C				250	10	60	30	150	-	-	35	65	150	-	5
8	A	Safety sealing profile		100	10	10	20	15	35	10	145	135	132	-	10	
9	A	Sealing L-profile		250	10	10	150	80	-	-	145	95	-	-	5	
10	A	Leeward profile		250	15	30	30	70	30	75	35	110	95	92	5	
	B				330	10	40	30	60	40	150	35	110	95	92	5
11	A	Dilatation profile		300	90	60	-	-	-	-	60	120	-	-	5	
12	A	Cover profile		100	10	80	10	-	-	-	35	-	-	-	10	
	B				70	10	50	10	-	-	-	35	-	-	-	10
13	A	Panel edge profile		180	10	15	40	80	35	-	145	92	-	-	2	
	B				200	10	15	40	100	35	-	145	92	-	-	2

- section face – PVC layer – marked with an arrow in the scheme
- scheme specifies an example of application of the profile
- if no angle is specified in the scheme, then bending is conducted at 180°
- profiles are delivered in the length of 2000 mm
- to produce an atypical shape, it is necessary to provide a schematic drawing including an angle
- sections are packed by being put into one another and then tightened with a PVC tape
- sheet weight for transport purposes is 6 kg per m²

* Sheet colours: grey, dark grey, green, blue, copper






* To get a complete range of plastic coated sheets, contact the sales department of Fatra, a.s.

TPO VARIETY

	Item Tpo plastic coated sheet Shedetal	Dimensions (length × width in mm) 2000 × 1000
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ACCESSORY WATERPROOFING MATERIALS

Accessories are used to create a perfect waterproof layer in every detail.

	Item and application	Dimensions/Package
	INTERNAL CORNER TYPE 10 Treatment and sealing of internal corners	Ø 120 mm bag 40 pcs., box 400 pcs.
	EXTERNAL CORNER TYPE 11 Treatment and sealing of outside corners	Ø 160 mm bag 30 pcs., box 240 pcs.
	COLLAR TYPE 13 Shaped-formed details for circular outlets	ø 400 mm bag 10 pcs., box 140 pcs.
	COLLAR TYPE 13 FOR ANCHORED PADS	Ø 183 mm bag 100 pcs., box 400 pcs.
	NOVOPLAST 1871 (A section) PROFILE	Width: 31,50 mm Height: 24,50 mm Length: 2,50 m
	SEALING COMPOUND Z-01 roof SEALING COMPOUND Z-03 pond	2,5 l 2,5 l
	THINNING AGENT L-494 to thin Sealing compounds / cold welding of membranes	2,5 l


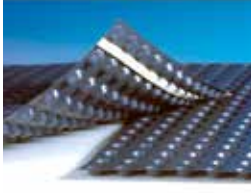
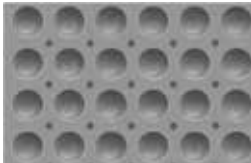
Internal, external corners, collars and pads are delivered in connection with FATRAFOL 803, 806, 810 and TPO membrane P.918/H. To get more detailed information about commercial conditions and terms of delivery, contact a branch of Fatra, a.s.

	Type (inside diameter / dimensions in mm)	Design	Base diameter	Height of adapting pipes	Package
	TWUT 15, 16, 17, 20, 24, 30, 32, 35	Closed round adapting pipe of PVC membrane intended for detailing of roof outlets and ventilation. Type specifies interior diameter of adapting pipes. Other dimensions on request, maximum diameter 200 mm.	120 mm	150 mm	5 pcs.
	TWUT 40, 42, 43, 45, 50, 51, 56, 60		150 mm	150 mm	5 pcs.
	TWUT 65, 72, 80, 83		180 mm	150 mm	5 pcs.
	TWUT 90, 100, 102, 110, 114		250 mm	150 mm	5 pcs.
	TWUT 125, 138, 140, 150, 170, 180, 200		275 mm	150 mm	5 pcs.
	TWUT 8×40 8×50 10×30 15×35 16×16 20×20 20×35	Closed square adapting pipe of PVC membrane intended for detailing of roof outlets and ventilation. Type specifies interior dimensions of adapting pipes. Other dimensions on request, maximum dimension 200 × 200 mm.	120 mm	150 mm	5 pcs.
	TWUT 20×40 25×25 27×40 30×30 30×40 30×50		120 mm	150 mm	5 pcs.
	TWUT 15×60 30×60 35×35 35×50 35×70		150 mm	150 mm	5 pcs.
	TWUT 40×40 40×60 45×45 50×50 60×60		150 mm	150 mm	5 pcs.
	TWUT 80×80		180 mm	150 mm	5 pcs.
TWUT 100×100 100×150 120×120 120×140	275 mm	150 mm	5 pcs.		
	TWUT 15, 16, 17, 20, 24, 30, 32, 35	Open round adapting pipe of PVC membrane intended for detailing roof outlets and ventilation. Type specifies interior diameter of adapting pipes. Other dimensions on request, maximum diameter 200 mm.	120 mm	150 mm	5 pcs.
	TWUT 40, 42, 43, 45, 50, 51, 56, 60		150 mm	150 mm	5 pcs.
	TWUT 65, 72, 80, 83		180 mm	150 mm	5 pcs.
	TWUT 90, 100, 102, 110, 114		250 mm	150 mm	5 pcs.
	TWUT 125, 138, 140, 150, 170, 180, 200		275 mm	150 mm	5 pcs.
	TWUT 8×40 8×50 10×30 15×35 16×16 20×20 20×35	Open square adapting pipe of PVC membrane intended for detailing of roof outlets and ventilation. Type specifies interior dimensions of adapting pipes. Other dimensions on request, maximum dimension 200 × 200 mm.	120 mm	150 mm	5 pcs.
	TWUT 20×40 25×25 27×40 30×30 30×40 30×50		120 mm	150 mm	5 pcs.
	TWUT 15×60 30×60 35×35 35×50 35×70		150 mm	150 mm	5 pcs.
	TWUT 40×40 40×60 45×45 50×50 60×60		150 mm	150 mm	5 pcs.
	TWUT 80×80		180 mm	150 mm	5 pcs.
TWUT 100×100 100×150 120×120 120×140	275 mm	150 mm	5 pcs.		
	TWUT 11 / 300	Closed round adapting pipe of PVC membrane intended for detailing of cable outlets with the diameter up to 11 mm.	150 mm	300 mm	5 pcs.

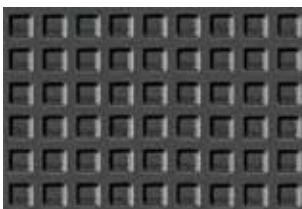
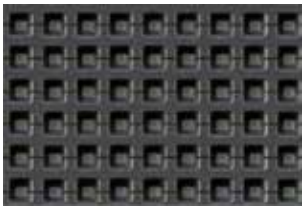
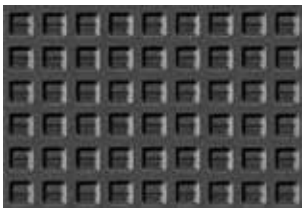
DRAINAGE MEMBRANES








Drainage membranes are to be used especially as waterproofing protection of basement walls against damage, as a ventilation layer venting radon gas from subsoil, for the purpose of sanitation of damp walls, in service layers of roof cladding, etc.








	Item and application	Height of Drainage membrane (mm)	Package (m2)
	FATRADREN 0815 Z1 FATRADREN 2015 Z2 – protection of waterproofing vertical sub-structure	8 20	25.70 12.85
	FATRADREN 0815 R1 FATRADREN 2015 R2 – ventilation and drainage layer with additional functional anti radon measures, drainage membrane butyl rubber tape is provided for gastight design of joints	8 20	25.70 12.85
	FATRADREN 2010 S1 – drainage layer for green roofs – the upper surface of drainage membranes is provided with perforations	20	12.85

HD-PE DRAINAGE MEMBRANES

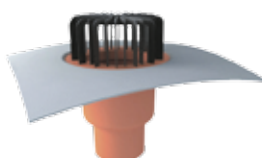

	Item	Width (mm)	Height of Drainage membrane(mm)
	LITHOPLAST SANA	1400	15
	LITHOPLAST DREN	1400	20, 40, 60
	LITHOPLAST PERFOR	1400	10


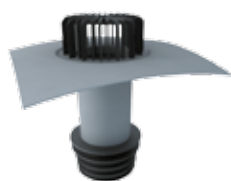
ACCESSORIES

Item	
	LIGHTNING CONDUCTOR BRACKET
	LIGHTNING CONDUCTOR OVERLAPPING Square
	LIGHTNING CONDUCTOR BRACKET Plastic – concrete
	LIGHTNING CONDUCTOR BRACKET Steel – plastic
	LIGHTNING CONDUCTOR OVERLAPPING Circle

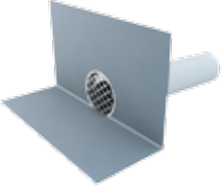

Item and application	Dimensions (mm)
 ROOF DRAIN H 240 Treatment of rainwater downpipes	Ø 60 Ø 75 Ø 80 Ø 90 Ø 100 Ø 110 Ø 125 Ø 150 Ø 200
 CORNER DRAIN	65 × 100 100 × 100
 PE LEAF TRAP	-
 PE GRAVEL TRAP	-
 VENTILATION + CAP H240 diameter 75 Roof moisture ventilation	-
 VENTILATION CAP	-
 ANTENNA OUTLET H120 diameter 13–49	-


FATRADRAIN – ROOF AND BALCONY SANITATION OUTLETS WITH INTEGRATED PVC FLANGE

	Type	Design	Dimension
	TW (75 – 150) PVC S	Roof outlet, vertical type, non-heated.	DN 70 – DN 150
	TWE (75 – 150) PVC S	Roof outlet, vertical type, heated.	DN 70 – DN 150
	TW (75 – 125) PVC V	Roof outlet, horizontal type, non-heated.	DN 70 – DN 125
	TWE (75 – 125) PVC V	Roof outlet, horizontal type, heated.	DN 70 – DN 125
	TWB 50 (75) PVC S	Balcony outlet, vertical type, non-heated.	DN 50, 70
	TWBE 50 (75) PVC S	Balcony outlet, vertical type, heated.	DN 50, 70
	TWB 50 (75) PVC V	Balcony outlet, horizontal type, non-heated.	DN 50, 70
	TWBE 50 (75) PVC V	Balcony outlet, horizontal type, heated.	DN 50, 70





	Type	Design	To be connected to pipes of the following diameter
	TWJ (75 – 125) PVC	Single-wall roof outlet	DN 50, 70, 90, 100, 125, 150; length 400 mm (extension possible)
	TW SAN (50 – 125) PVC	Roof sanitation outlet, vertical type, non-heated.	54–154 mm
	TWE SAN (50 – 125) PVC	Roof sanitation outlet, vertical type, heated.	54–154 mm


FATRADRAIN – SPOUTS AND SAFETY OVERFLOWS


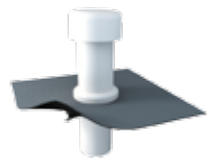

	Type	Design	Dimension
	TWC 40 PVC MINI	Spout made of PA6/PVC.	DN 40, length 20 cm (extension possible up to 150 cm)
	TWC (50 – 125) PVC	Spout, round with integrated grid.	DN 50, 70, 100, 125, length 50 cm (on request, possibility of extension of up to 200 cm)
	TWCE (50 – 125) PVC	Spout, round with integrated heated grid.	DN 50, 70, 100, 125, length 50 cm (on request, possibility of extension of up to 200 cm)
	TWPP (50 – 125) PVC	Safety overflow, round with protection grid.	DN 50, 70, 100, 125, length 50 cm (on request, possibility of extension of up to 200 cm)

	Type	Design	Width / height
	TWPP 50 × 150 PVC	Safety overflow, square. Material of spouts PVC, colour white. Length of 30 cm. On request, possibility of extension of up to 80 cm.	150 / 50
	TWPP 100 × 100 PVC		100 / 100
	TWPP 150 × 150 PVC		150 / 150
	TWPP 100 × 300 PVC		300 / 100


FATRADRAIN – ROOF OUTLETS ACCESSORIES

	Type	Design	Height above waterproofing level
	TWOK 100	Perforated stainless strainer FATRADRAIN for roofs with pea gravel or other loading set of layers, for vertical and horizontal type of roof drains, FATRADRAIN DN 70, 100 and 125 (type XL only for outlets DN 150).	100 mm
	TWOK 150		150 mm
	TWOK 20 – 1000		20 – 1000 mm
	TWOK 20 – 1000 XL		20 – 1000 mm
	TWNR TER 50	Terrace adapter FATRADRAIN with chrome-plated grid 150 × 150 mm, for vertical and horizontal type of roof outlets, FATRADRAIN DN 70, 100 and 125 (type XL only for drains DN 150).	10 – 50 mm
	TWNR TER 100		32 – 100 mm
	TWNR TER 150		32 – 100 mm
	TWNR TER 10 – 1000		10 – 1000 mm
	TWNR TER 10 – 1000 XL		10 – 1000 mm
	TWNR TER 50 P	Perforated terrace adapter FATRADRAIN with chrome-plated grid 150 × 150 mm, for vertical and horizontal types of roof outlets, FATRADRAIN DN 70, 100 and 125 (type XL only for outlets DN 150).	10 – 50 mm
	TWNR TER 100 P		45 – 100 mm
	TWNR TER 150 P		45 – 150 mm
	TWNR TER 10 – 1000 P		10 – 1000 mm
	TWNR TER 10 – 1000 XLP		10 – 1000 mm
	TWZU KL	Mechanical stench trap, FATRADRAIN, for roof outlets DN 70, 100 and 125 and adapters for roof outlets.	–



	Type	Design	Dimension
	TWZ 30 × 30 × h	Pit for green roofs, incl. plastic protective grid.	300 × 300 × h (h = 130, 230, 330)
	TWZ 40 × 40 × h	Pit for green roofs, incl. plastic protective grid.	400 × 400 × h (h = 130, 230, 330)

	Type	Design	Dimensions (Connection)
	TWO 50 PVC	Roof vapour relief ventilation, FATRADRAIN, with integrated flange made from waterproofing membranes based on PVC, including rain cap. Height of 30 cm. On request, possibility of custom-made extension of up to 200 cm.	DN 50
	TWO 75 PVC		DN 70
	TWO 110 PVC		DN 100
	TWO 125 PVC		DN 125
	TWOP 50 PVC	Outlet ventilation, FATRADRAIN, to be connected to air ventilation pipe with integrated flange made from waterproofing membranes based on PVC, including rain cap. Height above waterproofing 30 cm, depth below waterproofing 18 cm. On request, it can be extended to up to 200 cm.	DN 50
	TWOP 75 PVC		DN 70
	TWOP 110 PVC		DN 100
	TWOP 125 PVC		DN 125
	TWP 24	Roof cable outlet – outlet with the smallest diameter available (24 mm).	DN 24

	Type	Design	Dimension
	TW SZ	Metal snow guard for PVC membrane roofing.	150 × 150 / 65 mm





	Type	Design	Height
	TW OL 40	Edge and pea gravel profiles for membranes on the basis of PVC, total thickness 1.6 mm. System holder is part of pea gravel bar.	40 mm
	TW OL 50		50 mm
	TW OL 65		40 mm
	TW OL 90		50 mm

PADS AND RINGS

	Title	Height (mm)	Package
	UNDERFLOOR PAD	14	240 pcs / box
	COMPENSATING RINGS	3	300 pcs / box

To get more detailed information about a complete range of products and the date of delivery, contact a branch of Fatra, a.s.

MASTICS AND ADHESIVES

	Item	Application	Package
	FATRAPUR 125 POLYURETHANE MASTIC	Permanent and elastic sealing of roof joints.	Cartouche 310 ml
	Two component adhesive MILLENIUM ONE STEP and MILLENIUM PG-1	To glue FATRAFOL 807 and 807 / V.	4 Cartouches / / 6 litres
	Reactive PU adhesive FF885	To glue anchored pads and membranes.	1 Package / 5 Kg
	BUTYL RUBBER TAPE	To join vapour barrier.	Length 45 m

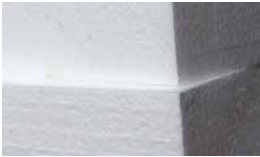
To get more detailed information about a complete range of products and the date of delivery, contact a branch of Fatra, a.s.

ANCHORING SYSTEMS


Fatra a.s. delivers products of most reputable manufacturers of anchoring systems. For a specific application, please contact the regional sales representative.

THERMAL INSULATION MATERIALS


EXPANDED AND EXTRUDED POLYSTYRENE

	Item	Application	Dimensions (mm)
	EPS 70 S STABIL	For flat roofs (underlying layers).	1000 × 500 1000 × 1000 Thickness 10 to 240
	EPS 100 S STABIL	For flat roofs with standard loading.	
	EPS 150 S STABIL	For flat roofs with higher loading.	
	XPS	High loaded roofs, for instance inverted roofs.	1250 × 600 thickness (20 to 120)




MINERAL WOOL

	Item	Application	Dimensions (mm)
	ISOVER S ISOVER T	Insulation of single-ply flat roofs.	1200 × 1000 1200 × 2000
		Underlying layer of flat roofs (insulation exposed to pressure).	1200 × 1000 1200 × 2000
	MONROCK MAX E	Double layer rigid board insulation for flat roofs.	1000 × 600 1200 × 2000

PIR BOARDS

	Item	Application	Dimensions (mm)
	POWERDECK F	For glued system with combination FATRAFOL 807/V membrane.	1200 × 600, 1200 × 1000 thickness 30 and 120 mm

WELDING TOOLS

	Item	Dimensions (mm)
	LEISTER TRIAC S WELDING TOOL	-
	LEISTER TRIAC PID WELDING TOOL	-
	LEISTER TRIAC AT WELDING TOOL	-
	LEISTER VARIMAT AUTOMATIC WELDING MACHINE	-
	SILICONE ROLLER	40
	SILICONE ROLLER	28
	BLUE PTFE ROLLER	28
	BRASS PRESSURE ROLLER	8

To get more detailed information about commercial conditions and terms of delivery, contact a branch of Fatra, a.s.

INSULATION STUDIO

TECHNICAL ASSISTANCE TO APPLICATION COMPANIES, BUILDING COMPANIES, DESIGNERS AND INVESTORS

The insulation studio provides technical assistance to application companies, building companies, designers and investors; the studio gives advice on waterproofing, subsurface and ground water, liquids and substructure radon, waterproofing of flat roofs and terraces, and waterproofing membranes for garden ponds and fish ponds.

SERVICE ACTIVITIES FOR APPLICATION COMPANIES

- Training courses
- Supervised installation, weld testing, arrangement of tensile tests
- Advisory and consulting services (proposing and approving waterproofing layers, auxiliary details and accessories, dimensioning the thickness of radon barriers, thermal properties evaluation of roof cladding)
- Providing anchoring plans
- Supervision over the use of materials from the Fatra, a.s. assortment
- Assistance with preparation of quotations (interesting in terms of area and technical aspects)



SERVICE ACTIVITIES FOR DESIGNERS

- Assessment, proposal and dimensioning of waterproofing and radon barriers of substructures
- Proposal of waterproofing roofing membrane including additional thermal insulation, vapour barrier, details - new constructions, reconstructions
- **Assessing flat roof PD**
 - includes assessment of existing conditions, investigation, probes, proposal of variants, details of types (reconstructions)
 - proposal of waterproofing layers, details of types (new constructions)
- **Substructure assessment**
 - comprises assessment of existing conditions, investigation, proposal of varieties, details of types (reconstruction)
 - proposal of waterproofing layers, details of types (new constructions)
- Calculation of substructure waterproofing including treatment of details, calculation of waterproofing roofing membranes on flat roofs including thermal insulation, vapour barrier, perimeter sheet-metal lining, treatment of details

SERVICE ACTIVITIES FOR BUILDING COMPANIES, INVESTORS

- Advisory and consulting services – assessment of the suitability of planned waterproofing layers, proposals of waterproofing layers, readiness of underlying layers, details of various types
- Supervision over installation companies in connection with FATRAFOL materials,
- Preparation of quotations (for constructions that are interesting in terms of area, referential or technical aspects)
- **Arranging installations, providing contacts of application companies**

CONTACT DETAILS OF INSULATION STUDIO: e-mail: studio@fatrafol.cz

EXPLANATORY NOTES

USED ICONS

	UV stable.		Underlying layer of PES textile.
	Environmentally friendly product.		TPO (thermoplastic polyolefin).
	Increased fire resistance.		Glass fleece reinforced membrane.
	FLL attest of roof membrane resistance to plant roof penetration.		Membrane suitable for green roofs.
	PES grid.		Non slip membrane surface.
	Sun reflection increased (SRI).		High chemical resistance of the membrane.
	Colour varieties of products.		Membrane to be used as a radon barrier.
	Membrane suitable for treatment of roof details.		Membrane suitable for swimming ponds.
	May be connected by gluing.		Attractive price.
	Mechanical anchoring.		Harmless to health.
	To be directly laid on bitumen.		

FATRAFOL CONTACT

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