fatra

fatrafol®

CATALOGUE OF WATERPROOFING MEMBRANES AND ACCESSORIES

COMPANY PROFILE

- Major plastics processing company in Central Europe
- Founded by Baťa company in 1935
- Highly export-oriented company supplying 2/3 of total production to more than 50 countries
- More than 1300 employees
- Two production plants in the Czech Republic – Napajedla, Chropyně
- Investments performed within the last 10 years:
  - more than EUR 58 mil. in new production facilities, existing technology upgrade and energy-efficiency measures
  - more than EUR 4 mil. into direct environment protection
- Member of AGROFERT Group, an international group counting more than 250 companies
- Modern technologies, professional approach, knowledgeable counseling
- Established trademarks - high industrial protection - over 100 trademarks, industrial designs and utility models
- Own R&D department, implementing innovations
- High level of raw material recycling, using waste-free technologies

CONTENTS

01 FATRAFOL-S

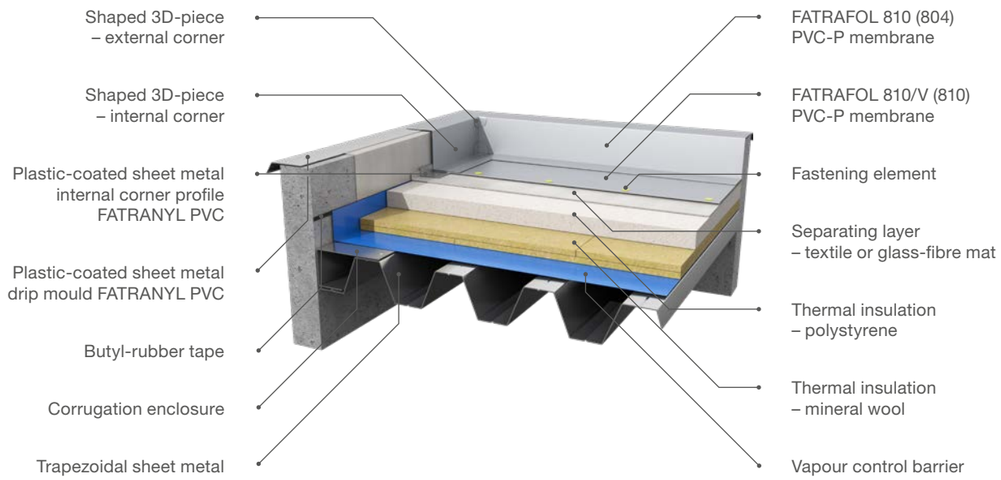
FATRAFOL-S SYSTEM FEATURES

- Waterproofing system designed for single-, double- or multiple-ply coating of all building types with flat or sloped roofs
- Suitable to the residential, commercial, administrative, industrial, agricultural, or sports buildings waterproofing
- Fields of roofing application:
  - ventilated / non-ventilated
  - standard / inverted / traffic
  - flat / sloped
  - ballasted (gravel / soil)
  - green roofing / roof gardening

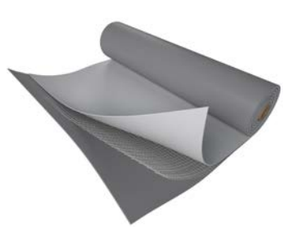
SYSTEM BENEFITS

- Waterproofing system complexity
- Own R&D department, proven compatibility of all accessory materials
- Quick installation
- Long service life
- Low surface weight
- Low fire load to the structure
- Extensive network of trained application companies

MECHANICALLY FASTENED WATERPROOFING ROOF SYSTEM



FATRAFOL 810/V (810)



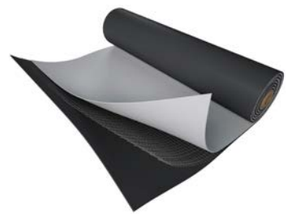
CHARACTERISTICS

- Plasticised polyvinylchloride-based (PVC-P) membrane reinforced with polyester mesh.
- Produced by multiple extrusion (810 produced by calendering and lamination).
- UV-resistant, can be exposed directly to weather conditions.
- Designed for mechanically fastened single-ply roof covering on flat roofs with or without a service layer, ballasted with gravel or substrate with vegetation.
- Embossed variety of FATRAFOL 810 is suitable for walkways on flat roofs as well as terrace and balcony applications (see also page 10).

COLOUR VARIETIES

RAL 7040 · RAL 7012 · RAL 3016 · RAL 9010
RAL 5015 · RAL 6000 · RAL 8004 · RAL 7021
RAL 7035

EKOPLAN 819/V



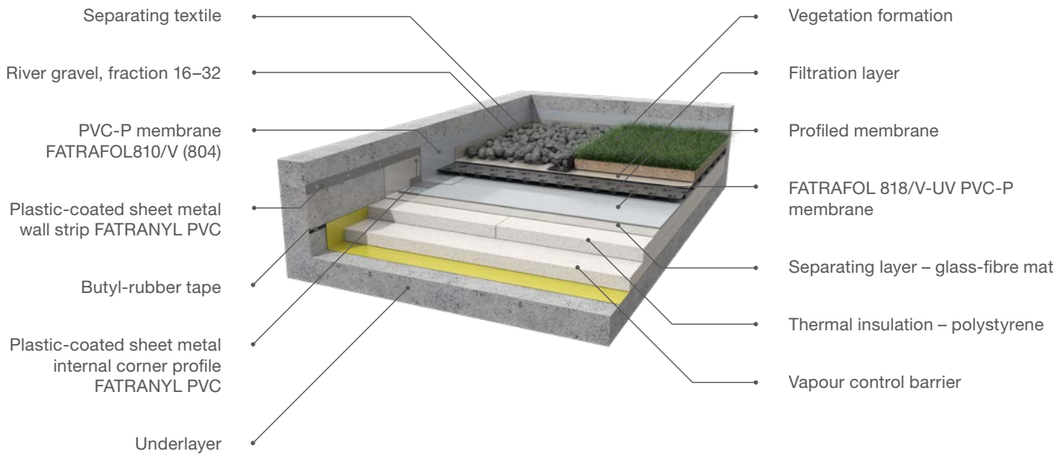
CHARACTERISTICS

- Plasticised polyvinylchloride(PVC-P) -based membrane reinforced with polyester mesh.
- Produced by multiple extrusion from compound containing ecologically recycled materials.
- UV resistant, can be exposed directly to weather conditions.
- Designed for mechanically fastened single-ply roof covering on flat roofs with or without a service layer, ballasted with gravel or substrate with vegetation.

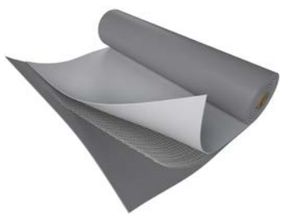
COLOUR VARIETIES

RAL 7040

WATERPROOFING SYSTEM WITH ADDITIONAL LOAD OF GRAVEL OR SERVICE LAYER



FATRAFOL 818/V-UV



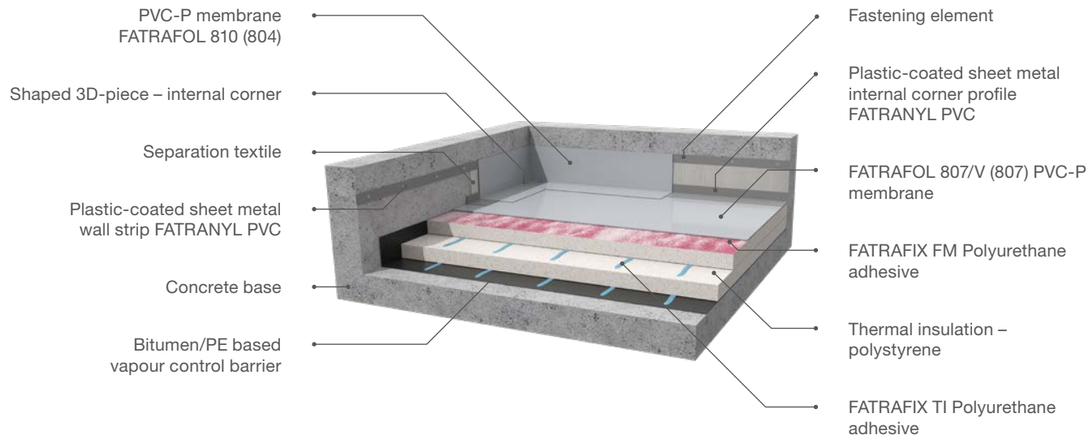
CHARACTERISTICS

- Plasticised polyvinylchloride (PVC-P) -based membrane with integrated glass-fibre mat.
- Produced by multiple extrusion.
- Designed for roofs ballasted with river gravel or service layers composition.
- Not suitable for mechanical anchoring.
- UV resistant on a long-term basis.

COLOUR VARIETIES

RAL 7040

FULLY ADHERED WATERPROOFING SYSTEM



FATRAFOL 807/V

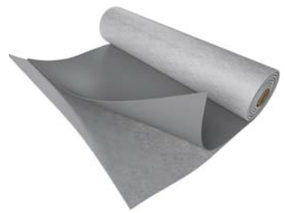
CHARACTERISTICS

- Plasticised polyvinylchloride (PVC-P)-based membrane with an underlayer of non-woven PES textile.
- UV resistant, can be exposed directly to weather conditions.
- Designed for fully adhered systems, mainly for adhering onto a suitable thermal-insulating layer (e.g. PIR, EPS) or firm roof deck structure, meeting requirements for flatness (Cetris boards, jolted concrete, etc.) using polyurethane adhesives.
- Not suitable for adhering on asphalt surfaces and for mechanical anchoring.
- Material variant with separating layer in surface density of 300 g/m^2 is suitable for direct contact with bitumen materials.

COLOUR VARIETIES

RAL 7040
RAL 7012
RAL 7035

FATRAFOL 807

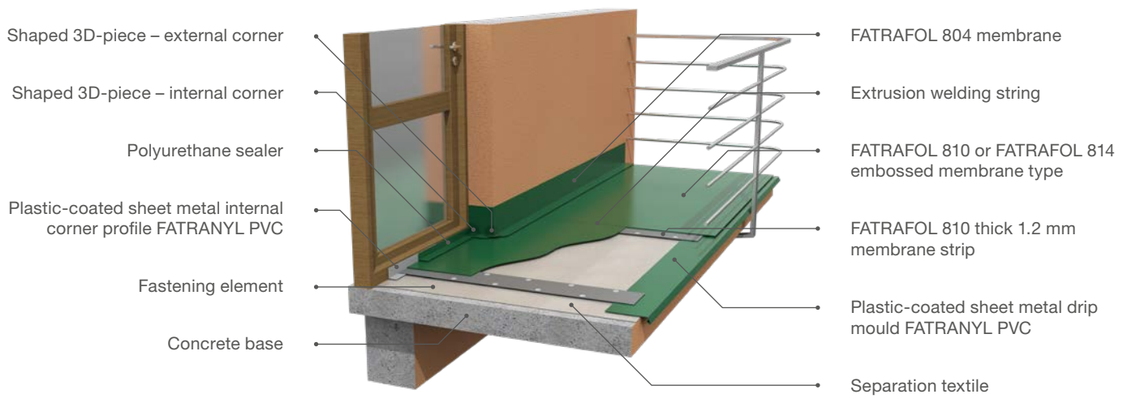


CHARACTERISTICS

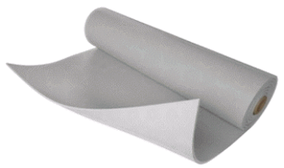
- Plasticised polyvinylchloride (PVC-P) -based membrane with laminated non-woven PES textile underlayer.
- UV resistant, can be exposed directly to weather conditions.
- Designed for adhered systems, particularly redevelopments of old asphalt-coated roofing on flat roofs, additional thermal insulation of a roof deck, waterproofing of shelters, light structures, etc.
- The underside of the membrane is provided with a separating layer in surface density of 300 g/m^2 is suitable for direct contact with bitumen materials.

COLOUR VARIETIES

RAL 7040
RAL 7012
RAL 7035



FATRAFOL 804



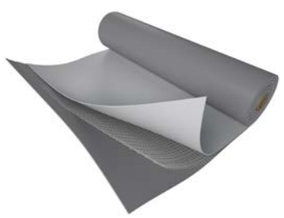
CHARACTERISTICS

- Non-reinforced (homogeneous) plasticised polyvinylchloride(PVC-P)-based membrane
- UV resistant, can be exposed directly to weather conditions
- Serves as an auxiliary component to reinforced FATRAFOL roof membranes for detail finishing, for separation of roof sections insulated by FATRAFOL membranes, and for cross joints of FATRAFOL 807 (807/V) membrane sheets.

COLOUR VARIETIES

RAL 7040 · RAL 7012 · RAL 3016 · RAL 9010
RAL 5015 · RAL 6000 · RAL 8004 · RAL 7021
RAL 7035

FATRAFOL 814



CHARACTERISTICS

- Plasticised polyvinylchloride (PVC-P) -based membrane with integrated glass-fibre mat.
- The top side of the membrane has special non-slip design.
- UV resistant, can be exposed directly to weather conditions.
- Serves as a walk-on waterproofing layer for terraces and balconies or to create walkways on flat roofs waterproofed by FATRAFOL PVC-P membranes.

COLOUR VARIETIES

RAL 7040 · RAL 7012 · RAL 6000 · RAL 8004

MEMBRANE INDICATION	MATERIAL BASE	THICKNESS (mm)	WIDTH (mm)	ROLL (m²)
FATRAFOL 810, 810/V	PVC-P	1,20	1300	32,5
	PVC-P	1,50	1300	26
	PVC-P	1,80	1300	22,10
	PVC-P	2,00	1300	20
	PVC-P	1,20	2050	51,25
	PVC-P	1,20	1025	25,625
	PVC-P	1,20	1600	40
	PVC-P	1,50	2050	41
	PVC-P	1,50	1025	20,50
	PVC-P	1,50	1600	32
	PVC-P	1,80	2050	33,825
	PVC-P	1,80	1025	16,91
	PVC-P	1,80	1600	26,40
	PVC-P	2,00	2050	30,75
	PVC-P	2,00	1025	15,375
	PVC-P	2,00	1600	24
	PVC-P	2,40	1025	13,325
	PVC-P	2,40	1300	16,9
	PVC-P	2,40	1600	20,8
	PVC-P	2,40	2050	26,65
EKOPLAN	PVC-P	1,20	1000	25
	PVC-P	1,20	1600	40
	PVC-P	1,20	2000	50
	PVC-P	1,50	1000	20
	PVC-P	1,50	1600	32
	PVC-P	1,50	2000	40
	PVC-P	1,80	1000	16,5
	PVC-P	1,80	1600	26,4
	PVC-P	1,80	2000	33
	PVC-P	2,00	1000	15
	PVC-P	2,00	1600	24
	PVC-P	2,00	2000	30

SUMMARY CHART FOR FATRAFOL-S SYSTEM MEMBRANES

MEMBRANE INDICATION	MATERIAL BASE	THICKNESS (mm)	WIDTH (mm)	ROLL (m²)
FATRAFOL 818/V-UV	PVC-P	1,20	2050	51,25
	PVC-P	1,50	2050	41
	PVC-P	1,80	2050	33,825
	PVC-P	2,00	2050	30,75
FATRAFOL 807	PVC-P	1,50	1300	20
	PVC-P	1,20	1300	23,92
FATRAFOL 807/V	PVC-P	1,20	1650	31,35
	PVC-P	1,20	2050	38,95
	PVC-P	1,50	2050	32,80
	PVC-P	1,50	1650	26,43
	PVC-P	2,00	1650	21,45
	PVC-P	2,00	2050	26,65
FATRAFOL 804	PVC-P	1,50	1300	26
	PVC-P	2,00	1200	18
FATRAFOL 814	PVC-P	2,50	1000	12

FOR OTHER COLOUR VARIETIES, NON-STANDARD WIDTHS AND DESIGNS,
PLEASE CONTACT YOUR SALES MANAGER.

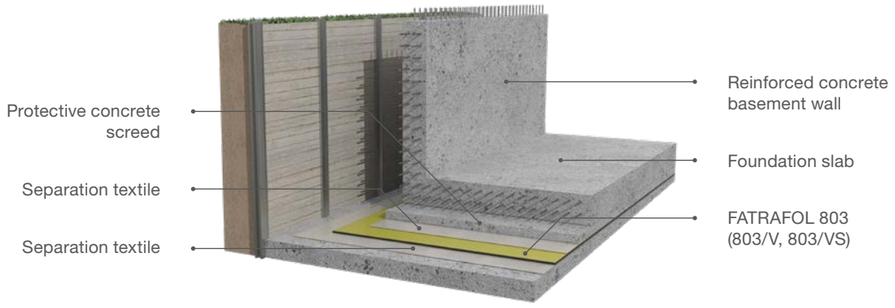
02 FATRAFOL-H

FATRAFOL-H SYSTEM FEATURES

- Designed for both-sided built-in waterproofing of underground building sections
- Creates single-ply closed membrane waterproofing against:
  - moisture
  - subsurface and underground water
  - pressure water
  - special liquids
  - radon
- Suitable to the residential, commercial, administrative, industrial, agricultural, or sports buildings waterproofing

SYSTEM BENEFITS

- Waterproofing system complexity including all accessories
- Own R&D department
- Proven compatibility of all accessory materials
- Resistance to aggressive underground water effects
- Excellent radon waterproofing
- Possibility to check welds using vacuum or overpressure
- Functional reliability and long service life
- Extensive network of trained application companies



FATRAFOL 803/V (803)

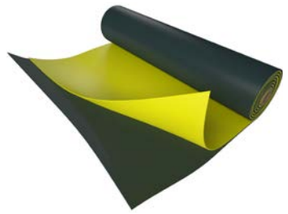
CHARACTERISTICS

- Non-reinforced plasticised polyvinylchloride (PVC-P)-based membrane
- Produced by extrusion (803 by rolling).
- Excellent chemical resistance to most inorganic acids and alkalis and their salts.
- Suitable for waterproofing of ground and underground building sections against aggressive pressure and percolating water.
- Used for insulating water structures, underground tanks, pits, agricultural buildings and industrial product storages.
- This membrane creates an effective radon barrier.

COLOUR VARIETIES

RAL 8025 RAL 1012

FATRAFOL 803/VS



CHARACTERISTICS

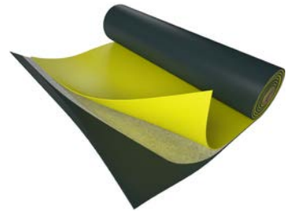
- Non-reinforced plasticised polyvinylchloride (PVC-P)-based membrane
- Provided with a signal yellow layer on the upper side; the underside is black.
- Produced by multiple extrusion.
- Excellent chemical resistance to most inorganic acids and alkalis and their salts.
- Creates an effective radon barrier.

COLOUR VARIETIES

Non-standard yellow

FOUNDATIONS WATERPROOFING AGAINST GROUND MOISTURE, PRESSURE WATER AND RADON

FATRAFOL 813/VS



CHARACTERISTICS

- Plasticised polyvinylchloride (PVC-P) -based membrane reinforced with integrated glass-fibre mat.
- Provided with a signal yellow layer on the upper side; the underside is black.
- Produced by multiple extrusion.
- High strength and good chemical resistance to water polluted by oil products.
- Dimension stability at high ambient temperatures.

COLOUR VARIETIES

RAL 1012

STAFOL 914, STAFOL 914/V

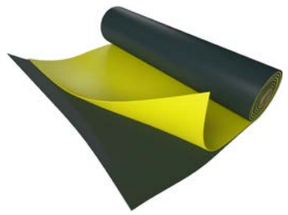
CHARACTERISTICS

- Non-reinforced plasticised polyvinylchloride (PVC-P)-based membrane
- Produced by rolling, version 914/V by extrusion.
- Suitable mainly as a waterproofing layer for the floors of industrial, commercial, and storage halls, and the perimeter walls of new and restored buildings.
- Cannot be used as a waterproofing layer against pressure water.

COLOUR VARIETIES

Non-standard black

STAFOL 914/VS



CHARACTERISTICS

- Non-reinforced plasticised polyvinylchloride (PVC-P) -based membrane with a signal layer.
- Produced by multiple extrusion.
- Suitable mainly as a waterproofing layer for the floors of industrial, commercial, and storage halls, and the perimeter walls of new and restored buildings.
- Cannot be used as a waterproofing layer against pressure water.

COLOUR VARIETIES

Non-standard yellow

STAFOL 914 P

CHARACTERISTICS

- Non-reinforced plasticised polyvinylchloride (PVC-P)-based membrane (PVC-P).
- Produced by rolling.
- Perimeter wall barrier waterproofing membrane.
- Cannot be used as a waterproofing layer against leakage of water.

COLOUR VARIETIES

Non-standard black

EKOPLAST 806

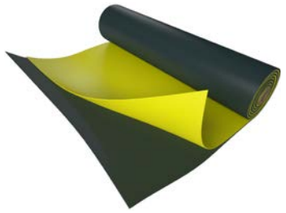
CHARACTERISTICS

- Non-reinforced plasticised polyvinylchloride (PVC-P) -based membrane
- Produced by rolling from a special mixture resistant to selected oil products.
- Designed as a waterproofing layer for objects used for handling and temporary storage of selected oil products, against their leakage into underground and surface water, for sealing handling areas, emergency and interceptive tanks of gasoline, mineral oil, diesel, etc.
- Suitable as a radon barrier.

COLOUR VARIETIES

RAL 9011

FATRAFOL 803/VST



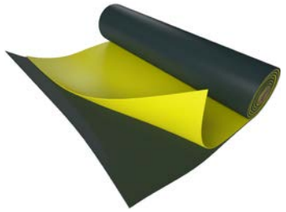
CHARACTERISTICS

- Non-reinforced plasticised polyvinylchloride (PVC-P)-based membrane
- Designed for waterproofing of tunnels and underground building sections related to the development of tunnels.
- Provided with a signal yellow layer on the upper side; the underside is black.
- Produced by multiple extrusion.
- Excellent chemical resistance to most inorganic acids and alkalis and their salts.
- Creates a radon barrier.

COLOUR VARIETIES

Non-standard yellow

STAFOL 914/VST



CHARACTERISTICS

- Non-reinforced plasticised polyvinylchloride (PVC-P)-based membrane
- Produced by multiple extrusions.
- Designed for waterproofing of tunnels and underground building sections related to the development of tunnels.
- Provided with a signal yellow layer on the upper side; the underside is black.
- Suitable as a radon barrier.

COLOUR VARIETIES

RAL 1012

MEMBRANE INDICATION	MATERIAL BASE	THICKNESS (mm)	WIDTH (mm)	ROLL (m²)
FATRAFOL 803, 803/V	PVC-P	0,60	1300	65
	PVC-P	0,60	2000	100
	PVC-P	0,80	1300	52
	PVC-P	0,80	2000	80
	PVC-P	1,00	1300	39
	PVC-P	1,00	2000	60
	PVC-P	1,50	1300	26
	PVC-P	1,50	2000	40
	PVC-P	2,00	1200	18
	PVC-P	2,00	2000	30
FATRAFOL 803/VS	PVC-P	1,50	2000	40
	PVC-P	2,00	2000	30
	PVC-P	3,00	2000	24
FATRAFOL 813/VS	PVC-P	1,50	2050	41
	PVC-P	2,00	2050	30,75
STAFOL 914	PVC-P	0,60	2050	102,50
	PVC-P	0,70	2050	92,25
	PVC-P	0,80	2050	82
STAFOL 914/V	PVC-P	1,50	2000	40
	PVC-P	2,00	2000	30
STAFOL 914/VS	PVC-P	1,50	2000	40
	PVC-P	2,00	2000	30
	PVC-P	3,00	2000	24

SUMMARY CHART OF FATRAFOL-H SYSTEM MEMBRANES

MEMBRANE INDICATION	MATERIAL BASE	THICKNESS (mm)	WIDTH (mm)	ROLL (m²)
STAFOL 914 P	PVC-P	0,60	2050	100
	PVC-P	0,80	2050	80
	PVC-P	1,00	2050	60
	PVC-P	1,20	2050	51,25
	PVC-P	1,20	1000	25
	PVC-P	1,20	115	2,875
	PVC-P	1,20	150	3,75
	PVC-P	1,20	175	4,375
	PVC-P	1,20	240	6
	PVC-P	1,20	300	7,5
	PVC-P	1,20	365	9,125
	PVC-P	1,20	500	12,5
	PVC-P	1,20	600	15
	PVC-P	1,20	750	18,75
EKOPLAST 806	PVC-P	1,00	1300	39
	PVC-P	1,50	1300	26
	PVC-P	2,00	1300	18
FATRAFOL 803/VST	PVC-P	1,50	2000	40
	PVC-P	2,00	2000	30
	PVC-P	3,00	2000	24
STAFOL 914/VST	PVC-P	1,50	2000	40
	PVC-P	2,00	2000	30
	PVC-P	3,00	2000	24

FOR OTHER COLOUR VARIETIES, NON-STANDARD WIDTHS AND DESIGNS,
PLEASE CONTACT YOUR SALES MANAGER.

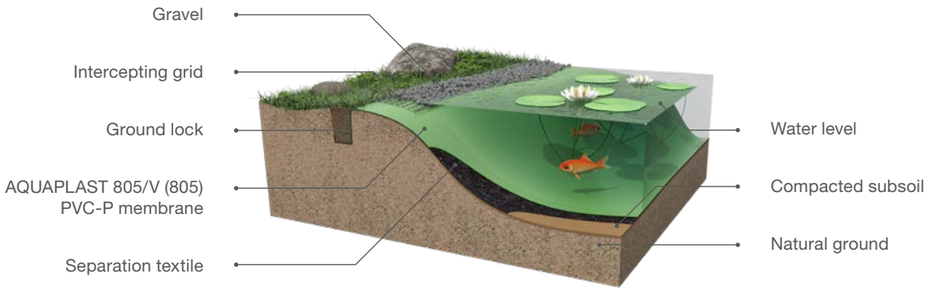
03 FATRAFOL-A

FATRAFOL-A SYSTEM FEATURES

- Designed for waterproofing of garden pools, ponds, lakes, biotopes, and other bodies of water
- Suitable to swimming ponds/lakes, fire water tanks, drinking water tanks, etc.
- Prefabrication of membrane sheets

SYSTEM BENEFITS

- Excellent elongation and waterproofing
- Easily adaptable to the ground bed complexity
- High resistance to the root penetration and mechanical damage



AQUAPLAST 805/V (805)

CHARACTERISTICS

- Non-reinforced plasticised polyvinylchloride (PVC-P)-based membrane
- UV radiation resistant, very good chemical resistance to all types of waters present in nature regardless of the content of their mineral and natural substances.
- Suitable for fish and aquatic plants.
- Designed for waterproofing of small garden ponds, as well as large water bodies.
- Individual membrane sheets can be welded into preformed sheets making installation easier.

COLOUR VARIETIES

RAL 6000 RAL 6006 RAL 6014 RAL 9011

AQUAPLAST 805/V-F (805/E)

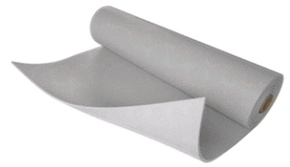
CHARACTERISTICS

- Non-reinforced plasticised polyvinylchloride (PVC-P)-based membrane
- UV radiation resistant, very good chemical resistance to all types of waters present in nature regardless of the content of their mineral and natural substances.
- Designed for waterproofing of small garden ponds, as well as large water bodies.
- Individual membrane sheets can be welded into preformed sheets making installation easier.

COLOUR VARIETIES

Non-standard black

AQUAPLAST 825/V (825)



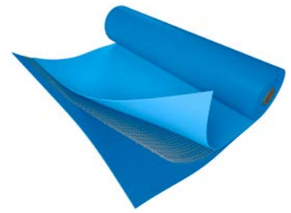
CHARACTERISTICS

- Non-reinforced plasticised polyvinylchloride (PVC-P)-based membrane
- Suitable for direct contact with drinking water.
- UV radiation resistant, very good chemical resistance to all types of waters present in nature regardless of the content of their mineral and natural substances.
- Designed for waterproofing of reservoirs, tanks, and other objects in direct contact with drinking water.
- Not designed for use in swimming pools.

COLOUR VARIETIES

RAL 7047 RAL 5015

AQUAPLAST 825/V-PES (825/PES)



CHARACTERISTICS

- Plasticised polyvinylchloride (PVC-P) -based membrane reinforced with polyester mesh.
- Suitable for direct contact with drinking water.
- UV radiation resistant, very good chemical resistance to all types of waters present in nature regardless of the content of their mineral and natural substances.
- Designed for waterproofing reservoirs, tanks, and other objects in direct contact with drinking water.
- Not designed for use in swimming pools.

COLOUR VARIETIES

RAL 7047 RAL 5015

SUMMARY TABLE OF FATRAFOL-A SYSTEM MEMBRANES

MEMBRANE INDICATION	MATERIAL BASE	THICKNESS (MM)	WIDTH (MM)	ROLL (m^2)
AQUAPLAST 805, 805/V	PVC-P	0,60	1300	65
	PVC-P	0,60	2000	100
	PVC-P	0,80	1300	52
	PVC-P	0,80	2000	80
	PVC-P	1,00	1300	39
	PVC-P	1,00	2000	60
	PVC-P	1,50	1300	26
	PVC-P	1,50	2000	40
	PVC-P	2,00	1200	18
	PVC-P	2,00	2000	30
AQUAPLAST 805/V-F	PVC-P	1,50	2000	40
	PVC-P	2,00	2000	30
AQUAPLAST 805/E	PVC-P	0,50	2010	120,6
	PVC-P	0,60	2010	100,5
	PVC-P	0,80	2010	80,4
	PVC-P	1,00	2010	60,3

SUMMARY TABLE OF FATRAFOL-A SYSTEM MEMBRANES

MEMBRANE INDICATION	MATERIAL BASE	THICKNESS (MM)	WIDTH (MM)	ROLL (m^2)
AQUAPLAST 825/V	PVC-P	0,60	2000	100
	PVC-P	0,80	2000	80
	PVC-P	1,00	2000	60
	PVC-P	1,20	2000	50
	PVC-P	1,50	2000	40
	PVC-P	2,00	2000	30
AQUAPLAST 825/V-PES	PVC-P	1,20	2000	50
	PVC-P	1,50	2000	40

FOR OTHER COLOUR VARIETIES, NON-STANDARD WIDTHS AND DESIGNS,
PLEASE CONTACT YOUR SALES MANAGER.

04 ACCESSORY MATERIALS

ACCESSORY MATERIALS FEATURES

- One of the most important sections of a building is a roof disposing of an effective waterproofing in all details.
- High quality waterproofing materials, accessory materials included.
- Help to achieve a perfect roof covering impermeability including all details.

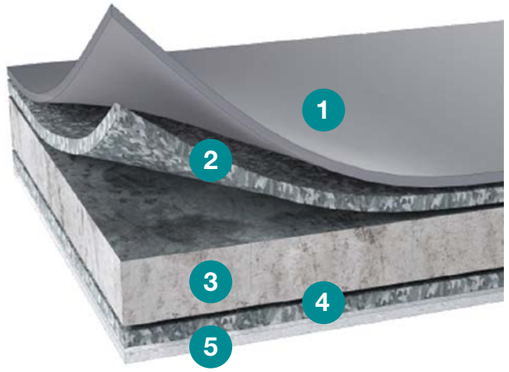
SYSTEM BENEFITS

- High-quality materials
- Complex material supply directly to the construction site
- Possible supply of welding technology
- Time and money saving
- Project management efficiency

PLASTIC COATED SHEET METALS – FATRANYL

STRUCTURE OF PLASTIC-COATED SHEET METAL

1. PVC LAYER
2. ZINC LAYER
3. BASIC STEEL MATERIAL
4. ZINC LAYER
5. PROTECTIVE COATING ON REVERSE SIDE



FATRANYL PVC SHEET METALS

TYPE:	galvanised steel plate 0.55 mm, grey coating on reverse side
PVC-P MEMBRANE ON FACE SIDE:	membrane thickness 0.6 mm; stabilised against weather conditions and UV radiation
STANDARD SHEET SIZE:	1,000 × 2,000 mm
PACKAGING:	50 sheets on a pallet
WEIGHT OF 1 SHEET:	ca 10,5 kg
COLOUR DESIGN:	RAL 7040, RAL 7012, RAL 3016, RAL 9010, RAL 5015, RAL 6000, RAL 8004, RAL 7047, RAL 9011, RAL 7035

FATRANYL PVC-S SHEET METAL IN COILS

TYPE:	galvanised steel plate 0.6 mm, grey coating on reverse side
PVC-P MEMBRANE ON FACE SIDE:	membrane thickness 0.6 mm; stabilised against weather conditions and UV radiation
STANDARD SIZE ON ROLL:	1,000 × 30,000 mm
PACKAGING:	4 rolls on a pallet
WEIGHT OF 1 SHEET:	ca 170 kg
COLOUR DESIGN:	RAL 7040

BASIC REFERENCE COLOUR CHART

RAL 7040 light grey · RAL 7012 dark grey · RAL 3016 red · RAL 9010 white · RAL 5015 blue

RAL 6000 green · RAL 8004 copper brown · RAL 7047 grey · RAL 9011 black · RAL 7035 light grey

TYPES OF FATRANYL PROFILES – EXAMPLES OF USE – SIZES

PROFILE NO.		PROFILE TITLE	PROFILE DIAGRAM AND USE	DEVELOPED WIDTH (mm)	LENGTH DIMENSIONS (mm)						ANGULAR DIMENSIONS (°)				PACK. (pcs)
POS.	VARIANT				A	B	C	D	E	F	α	β	γ	δ	
1	A	L inner		70	50	20	–	–	–	–	95	–	–	–	10
	B			70	50	20	–	–	–	–	110	–	–	–	10
2	A	L outer		70	50	20	–	–	–	–	88	–	–	–	10
3	A	Curved strip with bend		70	10	10	50	–	–	–	145	–	–	–	10
	B			100	10	10	80	–	–	–	145	–	–	–	10
4	A	Cut-in strip		100	15	75	10	–	–	–	92	–	–	–	10
5	B	Drip mould regular		200	10	40	150	–	–	–	35	105	–	–	5
	C			250	10	40	200	–	–	–	35	105	–	–	5
6	A	Straight strip		71	61	10	–	–	–	–	–	–	–	–	10
7	A	Gravel stop simple		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	Sealing strip protector		100	10	10	20	15	35	10	145	135	132	–	10
9	A	Sealing strip shape		250	10	10	150	80	–	–	145	95	–	–	5
10	A	Gravel stop		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 strip		300	90	60	–	–	–	–	60	120	–	–	5
12	A	Shutter strip		100	10	80	10	–	–	–	35	–	–	–	10
	B			70	10	50	10	–	–	–	35	–	–	–	10
13	A	Parapet crown flashing		180	10	15	40	80	35	–	145	92	–	–	2
	B			200	10	15	40	100	35	–	145	92	–	–	2

- the face side of the profile – PVC layer – indicated with arrow ↙ in the diagram
- the schematic picture shows an example of a profile application method
- if no angle is indicated in the scheme, the bending is 180°
- as standard, profiles are supplied in 2000 mm lengths
- to produce atypical shapes, it is necessary to provide a schematic profile draft including angles
- profiles are packaged by being put one into another and then tightened with a PVC tape
- sheet weight for transport purposes is 6 kg/m²

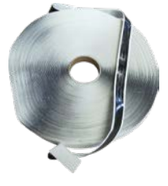
* For sheet colours, see colour charts
* Contact the Sales Department of Fatra, a.s. for the complete range of plastic-coated sheet metals.

SEPARATING AND PROTECTIVE TEXTILES (GEOTEXTILES)

	TITLE AND APPLICATION	WEIGHT (g/m²)	WIDTH (mm)	COLOUR	m²/ROLL
	FATRATEX-H Geotextile protecting and separating waterproofing membrane of substructures and ponds	150 200 300 500	2000	black	200 100 100 60
	FATRATEX Geotextile protecting and separating waterproofing membrane of roof systems, both-side calendered	200 300 500	2000	white	100 100 60
	FATRATEX-S Protective and separating textile based on 100% POP used in system FATRAFOL-S	200 300 500	2000	white	100 100 60
	GLASS-FIBRE MAT 120 g/m² To create a separating fire-proof layer in roof structures.	120	2000	white	200

ADHESIVES, SEALERS, TAPES

	PRODUCT NAME	APPLICATION
	FATRAFIX PVC 22 l	Contact adhesive for FATRAFOL PVC-P roof and ground membranes.
	FATRAFIX FM 22 l	Fully bonded system for FATRAFOL 807 and 807/V fleece-backed membranes.
	FATRAFIX TI 13,7 l	Adhering thermal insulations to the base, and thermal insulations to each other.
	FATRAFIX TI 22 l	Adhering thermal insulations to specific base, and thermal insulations to each other.
	FATRAFIX AC CLEANER 500 ml	Cleaning agent removing uncured FATRAFIX adhesive from hoses and hand guns.
	FATRAFIX AC CLEANER 13,7 l	Cleaning agent removing uncured FATRAFIX adhesive from hoses and hand guns.

	POLYURETHANE SEALER FATRAPUR 125	Permanent elastic seal for flashings.
	BUTYL-RUBBER TAPE	For bonding vapour control barriers.

For detailed information on the complete range of accessories (hoses, application guns) and accessories of FATRAFIX adhesive please contact your regional sales manager.

VAPOUR CONTROL BARRIER

	TITLE AND APPLICATION	THICKNESS (mm)	WIDTH (mm)	m²/ROLL
	FATRAPAR Vapour control barrier for flat and sloped roofs	0,15 0,15 0,20 0,20	2000 4000 2000 4000	100 100 100 100

ACCESSORY WATERPROOFING MATERIALS

The use of auxiliary components helps create perfect cover tightness around individual details.

	TITLE AND APPLICATION	SIZE/PACKAGING
	SHAPED 3D-PIECE – INTERNAL CORNER - TYPE 10 Finishing and sealing of internal and external corners	Ø 120 mm bag 40 pcs, box 400 pcs
	SHAPED 3D-PIECE - EXTERNAL CORNER - TYPE 11 Finishing and sealing of internal and external corners	Ø 160 mm bag 30 pcs, box 240 pcs
	COLLAR TYPE 13 Shaped-formed details for circular penetration	Ø 400 mm bag 10 pcs, box 140 pcs
	COLLAR TYPE 13 –FASTENING PATCH Membrane is adhered to these pre-fastened patches	Ø 183 mm bag 100 pcs, box 400 pcs
	PROFILE NOVOPLAST 1871 (A profile)	Width: 31.50 mm Height: 24.50 mm Length: 2.50 m
	COMPOUND Z-01 roof type COMPOUND Z-03 pond type	2.5 l 2.5 l
	THINNER L-494 thinning compound materials / cold welding of membranes	2.5 l

Internal, external corners, collars and pads are supplied for FATRAFOL 803, 806, 810, and TPO membrane 924/V. Please contact your sales manager for information on business conditions and delivery terms.

ACCESSORIES	TYPE	DESIGN	PACK
	TWUT 11, 12, 14, 15, 16, 17, 20, 24, 25, 30, 32, 35	Sealing PVC round sleeve - Closed piece designed for finishing outlets. The type indicates the inner diameter of the adapting piece in mm. The height of all sleeves is 150 mm.	5 pcs
	TWUT 40, 42, 43, 45, 50, 51, 56, 60, 65, 70		5 pcs
	TWUT 72, 75, 76, 77, 80, 83		5 pcs
	TWUT 90, 100, 102, 105, 110, 114		5 pcs
	TWUT 120, 125, 138, 140, 150, 160, 170, 180		5 pcs
	TWUT 200		5 pcs
	TWUT 8×40, 8×50, 10×30, 10×50, 15×35, 16×16, 20×20, 20×35, 25×30	Sealing PVC square sleeve - Closed piece designed for finishing outlets. The type indicates the inner diameter of the adapting piece in mm. The height of all sleeves is 150 mm. Other dimensions on request.	5 pcs
	TWUT 15×50, 20×50, 25×45, 25×50, 27×40, 30×40, 30×60, 35×35, 35×50, 40×40, 40×60, 45×45, 50×50		5 pcs
	TWUT 8×80, 10×90, 40×80, 70×70, 80×80, 10×100, 15×100, 50×80, 55×85		5 pcs
	TWUT 50×100, 60×100		5 pcs
	TWUT 50×150, 60×120, 75×145, 100×100, 100×150, 120×120, 120×140		5 pcs
	TWUT 80×160		5 pcs
	TWUT 150×150		5 pcs
	TWOT 15, 16, 17, 20, 24, 25, 30, 32, 35	Sealing PVC round sleeve - Opened piece designed for finishing openings. The type indicates the inner diameter of the adapting piece in mm. The height of all sleeves is 150 mm.	5 pcs
	TWOT 40, 42, 43, 45, 50, 51, 56, 60, 65, 70		5 pcs
	TWOT 72, 75, 76, 77, 80, 83		5 pcs
	TWOT 90, 100, 102, 105, 110, 114		5 pcs
	TWOT 120, 125, 138, 140, 150, 160, 170, 180		5 pcs
	TWOT 200		5 pcs
	TWOT 8×40, 8×50, 10×30, 10×50, 15×35, 16×16, 20×40, 25×30, 30×30	Sealing PVC square sleeve - Opened piece designed for finishing outlets. The type indicates the inner diameter of the adapting piece in mm. The height of all sleeves is 150 mm. Other dimensions on request.	5 pcs
	TWOT 10×60, 15×50, 15×60, 20×50, 25×45, 27×40, 30×50, 35×35, 35×70, 40×60, 40×70, 45×45,60×60		5 pcs
	TWOT 8×80, 10×90, 40×80, 70×70, 80×80, 10×100, 15×100, 50×80, 55×85		5 pcs
	TWOT 50×100, 60×100		5 pcs
	TWOT 50×150, 60×120, 75×145, 100×100, 100×150, 120×120, 120×140		5 pcs
	TWOT 80×160		5 pcs
	TWOT 150×150		5 pcs
	TWUT 11/300	Sealing PVC round sleeve - Closed piece designed for finishing cable passages with the diameter up to 11 mm. The adapting piece height is 300 mm. The base diameter is 150 mm.	5 pcs

DRAINAGE MEMBRANES

Drainage membranes are designed mainly to protect the thermal insulation of basement masonry against damage, as a ventilation layer to ventilate radon from the underlayer; to ventilate moisture of non-insulated wet masonry walls, and as an element in roof decks, roofs, etc.

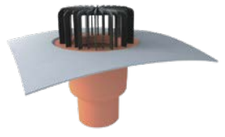
	TITLE AND APPLICATION	HEIGHT OF DRAINAGE MEMBRANE (mm)	PACKAGING (m^2)
	FATRADREN 0815 Z1 FATRADREN 2015 Z2 – protection of vertical waterproofing of the substructure	8 20	25,70 12,85
	FATRADREN 0815 R1 FATRADREN 2015 R2 – ventilation and drainage layer with additional radon barrier function, drainage membrane is provided with a butyl-rubber strip for gas-tight joints	8 20	25,70 12,85
	FATRADREN 2010 S1 – drainage and waterproofing layer of green roofs – upper drainage surface is perforated	20	12,85

ACCESSORY MATERIALS

	TITLE
	LIGHTNING ROD BRACKET
	LIGHTNING ROD OVERLAPPING PATCH Square
	LIGHTNING ROD BRACKET Plastic – concrete
	LIGHTNING ROD BRACKET Steel – plastic
	LIGHTNING ROD OVERLAPPING PATCH Circle

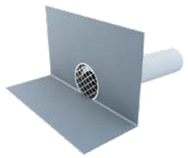
	TITLE AND APPLICATION	SIZE (mm)
	ROOF RAINWATER OUTLET H 240 Rain-water standpipes treatment	Ø 60 Ø 75 Ø 80 Ø 90 Ø 100 Ø 110 Ø 125 Ø 150 Ø 200
	SPOUT	65 × 100 100 × 100
	PE LEAF TRAP	–
	PE GRAVEL TRAP	–
	VENT OUTLET + TOP H240 DIAM. 75 Roof moisture ventilation	–
	VENT OUTLET CAP	–
	ANTENNA OUTLET H120 DIAM. 13–49	–

FATRADRAIN ROOF AND BALCONY SANITATION OUTLETS WITH INTEGRATED PVC FLANGES

	TYPE	DESIGN	SIZE
	TW (75–150) PVC S	Roof rainwater outlet, vertical, non-heated.	DN 70 – DN 150
	TWE (75–150) PVC S	Roof rainwater outlet, vertical, heated.	DN 70 – DN 150
	TW (75–125) PVC V	Roof rainwater outlet, horizontal, non-heated.	DN 70 – DN 125
	TWE (75–125) PVC V	Roof rainwater outlet, horizontal, heated.	DN 70 – DN 125
	TWB 50 (75) PVC S	Balcony rainwater outlet, vertical, non-heated.	DN 50, 70
	TWBE 50 (75) PVC S	Balcony rainwater outlet, vertical, heated.	DN 50, 70
	TWB 50 (75) PVC V	Balcony rainwater outlet, horizontal, non-heated.	DN 50, 70
	TWBE 50 (75) PVC V	Balcony rainwater outlet, horizontal, heated.	DN 50, 70

	TYPE	DESIGN	FOR CONNECTION TO PIPE OF THE DIAMETER
	TWJ (75–125) PVC	Single-wall rainwater roof outlet.	DN 50, 70, 90, 100, 125, 150; length 400 mm (extension option)
	TW SAN (50–125) PVC	Roof sanitation rainwater outlet, vertical, non-heated.	54–154 mm
	TWE SAN (50–125) PVC	Roof sanitation rainwater outlet, vertical, heated.	54–154 mm

FATRADRAIN SPOUTS AND SAFETY OVERFLOWS

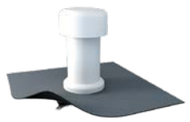
	TYPE	DESIGN	SIZE
	TWC 40 PVC MINI	Spout of PA6 / PVC.	DN 40, length 20 cm (extension option up to 150 cm)
	TWC (50–125) PVC	Round spout with integrated grid.	DN 50, 70, 100, 125, length 50 cm (up to 200 cm on request)
	TWCE (50–125) PVC	Round spout with integrated grid, heated.	DN 50, 70, 100, 125, length 50 cm (up to 200 cm on request)
	TWPP (50–125) PVC	Safety overflow, round with protective grid.	DN 50, 70, 100, 125, length 50 cm (up to 200 cm on request)

	TYPE	DESIGN	WIDTH / HEIGHT
	TWPP 50 × 150 PVC	Safety overflow, square. Spout material PVC, white colour, length 30 cm, optional extension up to 80 cm on request.	150 / 50
	TWPP 100 × 100 PVC		100 / 100
	TWPP 150 × 150 PVC		150 / 150
	TWPP 100 × 300 PVC		300 / 100

FATRADRAIN ACCESSORIES

	TYPE	DESIGN	HEIGHT ABOVE INSULATION LEVEL
	TW TER	Terrace adapter for balconies and terraces with adhered or otherwise installed pavements. Adapter height can be adjusted. Made of thick-walled polyamide PA6, UV stable.	0–100 mm
	TW TER P	Perforated terrace adapter for balconies and terraces with pavement. Adapter height can be adjusted. Made of thick-walled polyamide PA6, UV stable.	0–220 mm
	TW PLK	Flat walk-on protective grid, made of thick-walled polyamide PA6, UV stable.	10 mm
	TWOK v100	Perforated protective grid for roofs with shingle or other load formation. Made of thick-walled polyamide PA6, UV stable. Outlet size 10×15 mm.	100 mm
	TWOK v133		133 mm
	TWOK v166		166 mm
	TWOK v200		200 mm
	TWZU KL	Mechanical trap odour flap with increased outflow capacity and self-cleaning ability. Designed for roof traps, adapters and balcony gullies.	61 mm

	TYPE	DESIGN	SIZE
	TWZ 30 × 30 × h	Shaft for green roofs including plastic cover grid.	300 × 300 × h (h = 130, 230, 330)
	TWZ 40 × 40 × h	Shaft for green roofs including plastic cover grid.	400 × 400 × h (h = 130, 230, 330)

	TYPE	DESIGN	SIZE (CONNECTION)
	TWO 50 PVC	Roof vapour ventilation with integrated flange of waterproofing PVC membrane, including rain cap. Height 30 cm, extension up to 200 cm on request.	DN 50
	TWO 75 PVC		DN 70
	TWO 110 PVC		DN 100
	TWO 125 PVC		DN 125
	TWOP 50 PVC	Sewer ventilation to be connected to a ventilation pipe with integrated flange made of waterproofing PVC membrane, including rain cap. Height above insulation 30 cm, depth under insulation 18 cm, extension up to 200 cm on request.	DN 50
	TWOP 75 PVC		DN 70
	TWOP 110 PVC		DN 100
	TWOP 125 PVC		DN 125
	TWP 24	Roof outlet for electric cables – with the smallest diameter (24 mm) on the market.	DN 24

	TYPE	DESIGN	SIZE
	TW SZ	Plastic-coated Sheet-metal snow guard for PVC roof membranes.	150 × 150/65 mm

	TYPE	DESIGN	HEIGHT / BAR BASE
	TW KL AL 40	Pea gravel and edge profile for roofs with a pea gravel layer, and for pavement edges. Material: aluminium, thickness 1.5 mm, profile length 2000 mm. The profile includes a connecting piece for easy connection to other profiles.	40 mm / 65 mm
	TW KL AL 50		50 mm / 65 mm
	TW KL AL 60		60 mm / 65 mm
	TW KL AL 80		80 mm / 80 mm
	TW KL AL 100		100 mm / 80 mm
	TW KL 40	Pea gravel and edge profile for roofs with a pea gravel layer, and for pavement edges, for roofs and terraces with a main waterproof PVC layer. Material: plastic-coated sheet metal, total thickness1.6 mm, profile length 2000 mm. The profile includes a connecting piece for easy connection to other profiles.	40 mm / 65 mm
	TW KL 50		50 mm / 65 mm
	TW KL 65		65 mm / 65 mm
	TW KL 90		90 mm / 65 mm

PADS AND RINGS

	TITLE	HEIGHT (mm)	PACKAGING
	ROOF TILE SPACER	14	240 pcs / pack
	COMPENSATING RINGS	3	300 pcs / pack

Please contact your nearest FATRA, a. s. branch for information on the complete range and delivery terms.

FASTENING SYSTEMS

Fatra a.s. supplies products of most reputable manufacturers of the fastening technology.
For specific applications, please contact your regional sales manager.

THERMAL INSULATION MATERIALS

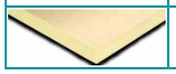
EXPANDED AND EXTRUDED POLYSTYRENE

	TITLE	APPLICATION	SIZE (mm)
	EPS 70 S STABIL	For flat roofs (underlayer).	1000 × 500 1000 × 1000 thickness 10 to 240
	EPS 100 S STABIL	For flat roofs with standard load.	
	EPS 150 S STABIL	For flat roofs with higher load.	
	XPS	Roof structures with high loads, inverted roofs.	1250 × 600 thickness 20 to 120

MINERAL WOOL

	TITLE	APPLICATION	SIZE (mm)
	ISOVER S ISOVER T	Insulation of single-ply flat roofs.	1200 × 1000 1200 × 2000
		Underlayer of flat roofs (insulation exposed to stress).	1200 × 1000 1200 × 2000
	MONROCK MAX E	Double-layer rigid board for insulation of flat roofs.	1000 × 600 1200 × 2000

PIR PANELS

	TITLE	APPLICATION	SIZE (mm)
	POWERDECK F	For adhered system in combination with FATRAFOL 807/V membrane.	1200 × 600, 1200 × 1000 thickness 30 and 120 mm

WELDING DEVICES

	TITLE	SIZE (mm)
	LEISTER TRIAC ST WELDING TOOL	–
	LEISTER TRIAC AT WELDING TOOL	–
	LEISTER VARIMAT V2 AUTOMATIC WELDING TOOL	–
	SILICONE ROLLER	40, 28
	PTFE ROLLER, BLUE	28
	BRASS PRESSURE ROLLER	8

Please contact your sales manager for business conditions and delivery terms.

The WATERPROOFING STUDIO provides technical assistance to application companies, building companies, project designers, architects, investors, developers, and building supervisors. This assistance covers selection and specification of all Fatrafol waterproofing systems, as well as consultancy services.

GENERAL SERVICES PROVIDED BY THE WATERPROOFING STUDIO:

- Providing thematic training courses to application companies.
- Consulting and advisory, proposals and approvals of waterproofing arrangements, details, etc.
- Creating and updating of Construction and Technological Specifications of the Manufacturer, including details.
- Expert opinions.
- Checks and inspections of constructions where FATRAFOL membranes have been applied.
- Assistance in acceptance procedures, negotiations, etc.

TRAINING CENTRE

The training centre has been developed for theoretical and practical training. It has a separate area for practical training equipped with work desks for approximately 20 people. Training participants have state-of-the-art welding devices for welding plastics, facilities for testing and examining weld quality, and other tools and instruments at their disposal, including mock-ups for practical training.

ICONS USED

UV-stable

Environmentally friendly product

Increased fire resistance

FLL certificate of roof membrane resistance to plant root penetration

PES grid

SRI coefficient measured at selected varieties

Direct installation on asphalt

The underlayer of PES textile

PVC

Glass fibre reinforced membrane

Membrane suitable for green roofs

Anti-slip membrane design

Colour varieties of products

Membrane suitable for treatment of roof details

Adhesion to the base

Mechanical fastening

High chemical resistance of the membrane

Membrane to be used as a radon barrier

Membrane suitable for garden pools

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