



Product catalogue

CONSTRUCTION
PRODUCTS

 **FOLIAREX**
Innovation leader



2

25 years
of know how



Foliarex Sp. z o.o. boasts 25 years of experience in manufacturing plastic wrap, construction membranes and plastic sheeting for gardening applications. Responding to the ever-changing demands of the market in a flexible way, we constantly enhance the choice of our products, offering them to customers from new industries. What does not change, however, is their QUALITY, confirmed by ISO Certificates.

Founded in 1990 in Poznań, during its formative years, the company specialised in manufacturing plastic wraps. A wide assortment of currently offered construction membranes, sheeting for gardening and agriculture, wrap proves how dynamic our growth has been. These products have been consistently popular for years thanks to their top quality and competitive prices. With three manufacturing sites located in Drożdżyce, Stęszew and Słubice, Foliarex has a total annual productivity of thousands of tonnes of processed polyethylene and polypropylene. The company owes its present leading position to its innovation and flexibility, quick response to messages from the market and the involvement of its staff, who daily improves the quality of our products to meet your expectations.

The FOLIAREX Group

Foliarex is not only about construction membranes. The strength of the Foliarex Group – formed by Foliarex Słubice, Foliarex Stęszew and Wigolen – lies in the versatility and scope of the product range. The elaborate structure and specialisation of individual sites allows us to offer cost-effective, quality gardening sheeting for ponds, silage wraps, woven and nonwoven crop covers. Foliarex is also one of the biggest Polish manufacturers of wrap packaging, overprinted wrap and heat-shrink wrap.

In 2015 we bought a new company in Mirsk, which produces fibers in a wide range of colors, diversified tex and length of the cut. These are among others innovative fibers for concrete: Beton-Fib and Beton-Zbroj.

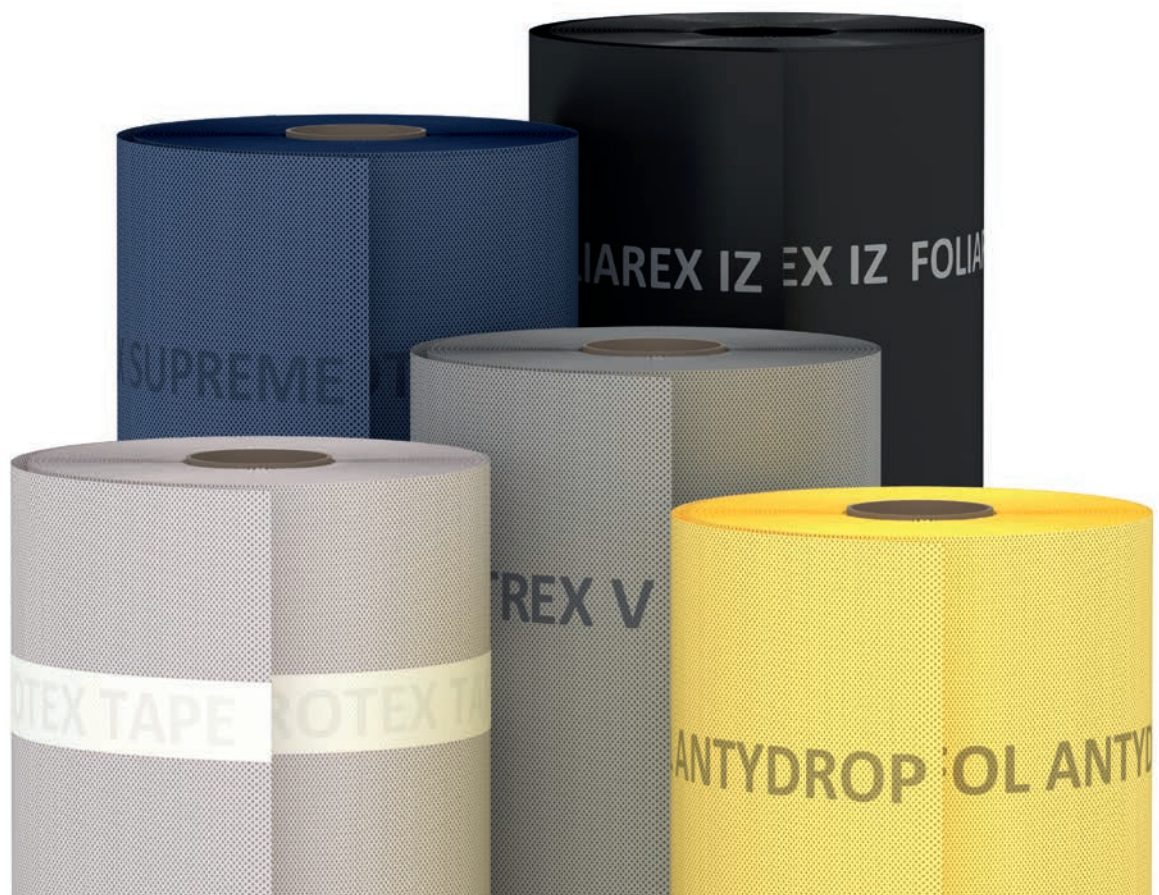
Construction products

Foliarex's offer for the construction industry is a full range of the highest-quality products, including waterproofing membranes, vapour-proof membranes and perfect highly vapour-permeable sarking membranes.

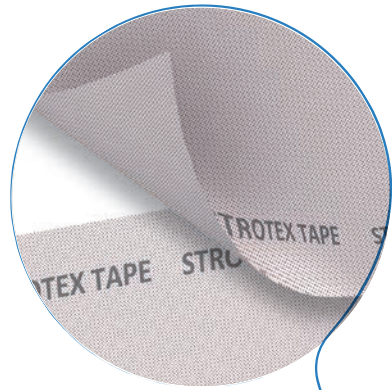
We pride on our innovative solutions. We constantly improve our products to make them even more practical in everyday usage. For example, STROTEX TAPE has been supplied with adhesive tape for easier membrane application.

We make every effort to make our products increasingly suited to your needs.

Foliarex also supplies long-recognised geomembranes and geotextiles – products of extensive application possibilities, e.g. in road construction, railway construction and municipal investments.



Indicating the site size facilitates and shortens installation.



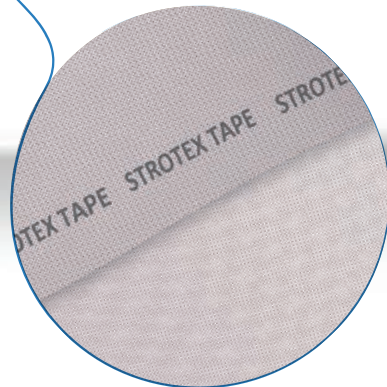
Highly developed production process technology and quality control guarantee an uniform structure and wrap / membrane parameters across its entire area.



Innovative solutions (e.g. adhesive tape) make it much easier to use our products.



All our wraps / membranes are extremely flexible, which enhances product quality and facilitates its installation.



Precise marking of the wrap / membrane across its length for easier product identification.

Distinctive features of our products:



STROTEX

TOPLES / BASIC / TAPE V /
MEDIUM / EXTREME /
SUPREME / NEXTREME

APPLICATION:

- STROTEX is a diffuse-open membrane designed as house wrap, which goes under the external roofing.
- STROTEX is also a perfect wind barrier designed to cover walls in framed structures.
- Thanks to the Sd factor of 0.02 m, it can be used in roofs with thermal insulation up to full rafter height, where it is applied directly onto the insulation layer.

ADVANTAGES:

- high vapour permeability ($\geq 1700 \text{ g/m}^2/24 \text{ h}$), thanks to which the membrane absorbs the moisture and directs it outside through the trickle vent,
- totally waterproof, protects thermal insulation against rain or snow from the outside,
- installation of thermal insulation up to the full height of the rafter,
- wind barrier material,
- features UV and IR stabilisers inhibiting the ageing process caused by weather conditions,
- fitted with a special anti-reflective coating, which prevents reflections of light,
- by default, tape-type membrane is supplied with a glue strip for quick and problem-free joining of overlaps during roof installation.

STROTEX SL PP

APPLICATION:

- Reinforced STROTEX SL PP sarking membranes protect the thermal insulation layer and the roof structure against the intrusion of snow, rain, wind, dust and also against the condensate that forms under the roofing.
- STROTEX is designed to drain the vapour which accumulates in the ceiling insulation of the building. STROTEX SL PP membranes should be used according to the technical design of the building, including the technical specifications of the membrane, applicable regulations and best construction practices.

ADVANTAGES:

- vapour-permeable,
- waterproof,
- reinforced with polypropylene fabric,
- flexible and easy to install,
- UV-resistant.



FLEXIBLE



WATER
-PROOF



VAPOUR
-PERMEABLE



UV
RESISTANT



EC DECLARATION
OF CONFORMITY



Strotex Toples

Strotex Basic

Strotex Tape

Strotex V

Strotex Medium

Strotex Supreme

Extreme

Nextreme

Strotex SL PP

Vapour-permeable membranes

STROTEX AL TAPE

APPLICATION:

- Multi-layered metallised membranes reflect thermal radiation, providing additional heat loss prevention.
- Such membranes can be used in all ventilated and non-ventilated roofs.
- The membranes form an insulating barrier to vapour and wind.
- Designed for habitable rooms in the attic.

ADVANTAGES:

- vapour-proof,
- prevent heat losses by reflecting the thermal radiation,
- additional wind and vapour barrier,
- prevent the dampening of the thermal insulation of the roof,
- tear-resistant thanks to reinforcement,
- flexible and easy to install,
- by default, tape-type membrane is supplied with a glue strip for quick and problem-free joining of overlaps during installation on the roof.

When used in combination with intermediate roof coating, the membranes ensure optimum ambient conditions in attic rooms.

BUDFOL ANTYDROP

APPLICATION:

BUDFOL ANTYDROP are new-generation, non-woven polypropylene fabric-based vapour-proof membranes. The products are designed for vapour proofing of attics. By ensuring vapour exchange, the product prevents moisture accumulation and condensation in the roof structure (between thermal insulation and plaster-cardboard panel).

ADVANTAGES:

- vapour-proof,
- protects against potential condensation of the moisture accumulated in the roof/attic structure,
- prevents the formation and development of fungi and moulds,
- together with highly vapour-permeable STROTEX sarking membrane, the product forms an active roof system, which guarantees long life of the building,
- slow-burning,
- easy to install – handy format, light weight and overprints on the reel for easy and correct overlapping.

FOLIAREX PI

APPLICATION:

FOLIAREX PI membranes are excellent materials for vapour-proofing frame structures of walls, roofs and ceilings. Their mechanical strength is enhanced and their thickness is reduced thanks to multi-layer design. FOLIAREX PI membrane is the only approved product of such type on the market.

ADVANTAGES:

- forms a tight roofing system when coupled with STROTEX sarking membrane and rockwool,
- creates a tight floor system in combination with polyethylene floor mat.



WATER
-PROOF



VAPOUR
-PROOF



FLEXIBLE



EC DECLARATION
OF CONFORMITY



UV
RESISTANT



Foliarex PI

Tape PI

Tape AL

Strotex AL

Vapour-proof membranes

FOLIAREX IZ

APPLICATION:

FOLIAREX IZ membrane is designed for making:

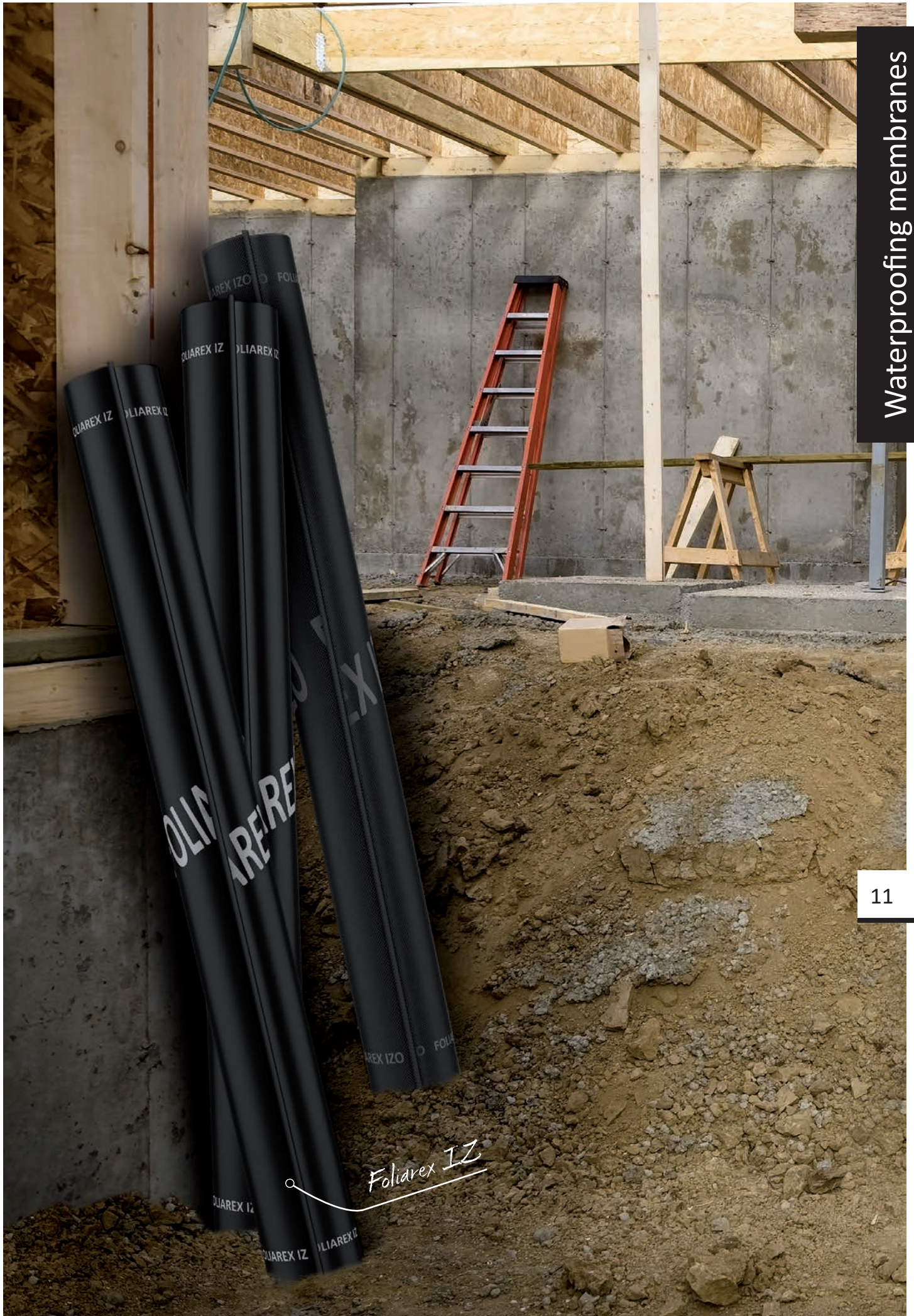
- a moisture-proof layer applied under floors, floor finishes, floor levelling, etc.,
- an anti-slip layer on terrace surfaces,
- a protective layer preventing the dampening of thermal and sound insulation,
- makeshift protection of roof slopes,
- facade protection and window joinery during finishing works,
- portable temporary shields securing workplaces, construction materials, etc.

The product should be used according to the technical design of the building, prepared in compliance with the applicable construction regulations, including technical properties of the membrane.

ADVANTAGES:

- vapour-proof,
- constitutes a water-proof layer which protects the building (foundations, walls, etc.) from getting damp,
- flexible and easy to install,
- tear-resistant,
- protects against weather and contamination (rain, snow, dust, etc.).





Foliarex IZ

SAFETY FILM

Safety film, made of top quality components, is the perfect material for protecting the surface against damage caused by dirt and during:

- transport,
- assembly,
- mechanical handling,
- storage.

These universal safety film products can be used whenever surface protection is required. The versatility of the film makes it possible to use it for different purposes, as required by the customer.

Safety film should be used in accordance with technical specifications supplied with the product.

Foliarex protecting films are based on polyethylene and were developed by leading industry experts, to ensure required qualitative parameters.

Films designated for protection of surface can be used in a number of industries and applications, to protect virtually any surface type. Protecting films are used to protect glass, ceramics, plastics, steels, and more. They are used as protection against weather conditions in production process as well as in transport. Protecting film can also be used for temporary protection against contamination during construction or repair works, on surfaces such as floor lining, stairs, carpets, parquet, etc.

High weather resistance, UV resistance, ease of application, no traces of adhesive after removal result in high quality and wide range of applications of our products.

Being an innovative entity we are always prepared to investigate specific technical requirements of a product and to offer assistance in selection of protecting film best suiting your needs.

PARAMETER	UNIT	SAFETY FILM
Thickness	µm	25-300
Type of film		polyethylene
Weather resistance	months	3
Adhesive		acrylic (non-staining)
Standard reel width	mm	25-1250
Standard reel length	m	100-1500
Working temperature	°C	od -20 do +80
Application temperature	°C	od +10 do +40



SAFETY



FLEXIBLE

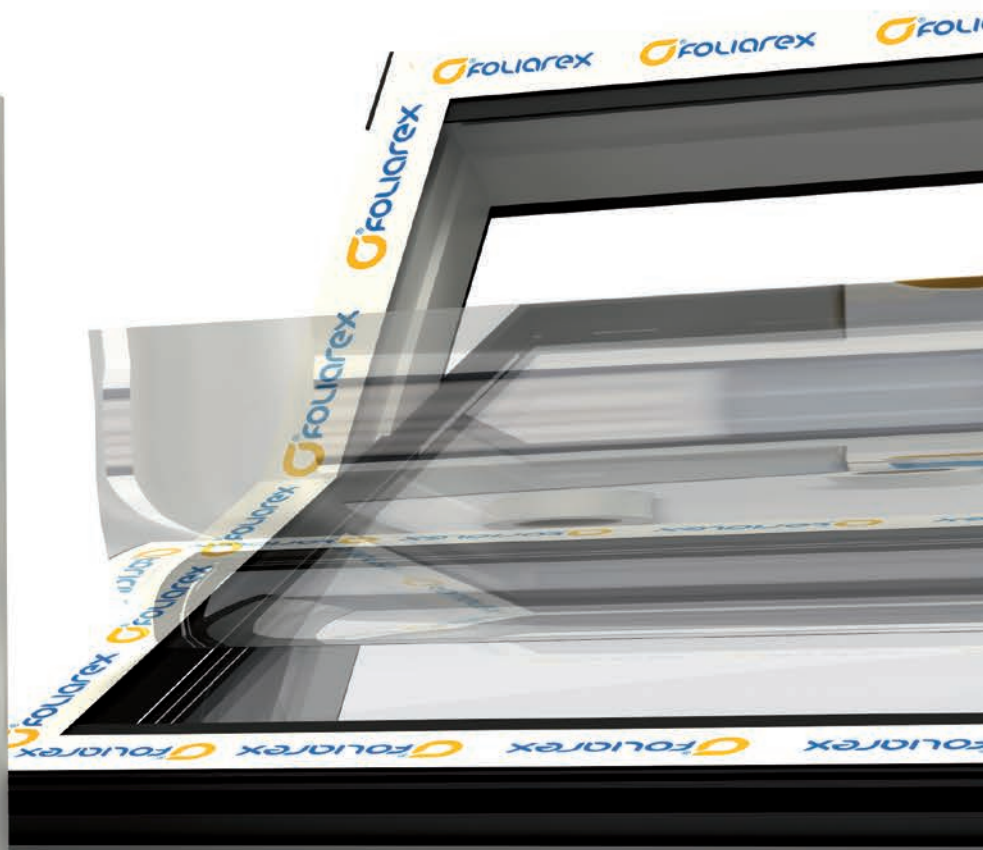


ADVANTAGES:

- tear-resistant,
- strong, durable,
- easy to install,
- flexible,
- universal,
- UV-resistant,
- easy to remove,
- weather-resistant,
- does not leave any traces on the surface,
- eco-friendly.

APPLICATION:

- metal and coated surfaces,
- window profiles (PVC, Al),
- windowsills,
- furniture,
- white goods,
- carpeting,
- bathroom fittings.



WIGOFOL

WIND BARRIER

APPLICATION:

Wind barrier membrane is intended for application mainly in external walls of light frame or steel structure buildings. The product can also be applied under siding and in ventilated facade systems.

WIGOFOL 100, 150 wind barrier provides protection of building walls against wind and all types of moisture from the outside.

ADVANTAGES:

- provides external protection of thermal insulation of walls against precipitation and uncontrolled flow of air, significantly decreasing losses of heat energy of the building,
- an Sd factor of ≥ 0.02 m guarantees appropriate ventilation of building walls, protection against dampening and the resulting contamination by fungi and moulds,
- protects thermal insulation against fibre tearing and contamination by dust,
- prevents the building from cooling off, allowing it to maintain high thermal parameters,
- slow-burning,
- UV stabilisation makes the product suitable for direct exposure to sun rays for up to one month,
- easy to install: the membrane is overprinted with special marking for easier overlapping.

NOTES:

Because the product is not fully waterproof, using it as a house wrap on the roof is not recommended.



WATER
-PROOF



UV
RESISTANT



FLEXIBLE



EC DECLARATION
OF CONFORMITY



SCAFFOLDING PROTECTION NET

- securing and streamlining renovation and construction works as scaffolding cover performed at heights,
- protecting third parties against being hit by small objects, such as debris, plaster or accidentally dropped tools,
- low costs of installing the cover,
- high airflow permeability – no risk of tearing or collapsing the scaffolding, e.g. in heavy wind,
- improving the visual appeal in the form of optical insulation elements (tarpaulins, tents, barriers).

REINFORCEMENT NET 60202

This gauze-weave polypropylene fabric is designed for application as a reinforcing insert for seamless waterproofing coatings with the aid of bituminous rubber and synthetic mastics (cold-applied). It can be used as a standalone net or in tandem with non-woven polypropylene fabric.



WATER
-PROOF



UV
RESISTANT



FLEXIBLE



EC DECLARATION
OF CONFORMITY

Polypropylene fibres for concrete

BETON-FIB 23; 30; 34 and BETON-ZBROJ

BETON-FIB FIBRES

are polypropylene microfibres with a circular cross section and an additional aperture which allows for their even distribution in mortar or concrete.



BETON-ZBROJ FIBRES

are a bundle created from polypropylene bands in a standard or fibrillated form (in that case, the band decomposes into a characteristic net). As a result of mixing, the bundle splits into many small pieces, which decompose evenly in all directions.



Beton-Fib 23, 30, 34 and Beton-Zbroj polypropylene microfibres for concrete are designed for non-structural use with concrete, mortar and slurry. They are perfect for a very wide range of concrete works. The use of microfibres is very simple; it does not require any changes in the formulas nor in the methods of mixing and no additional care treatments. They can be used with all concrete additions or admixtures and using various technologies. Surface processing (levelling, smoothing and finishing) should be done using standard tools.

ADVANTAGES AND BENEFITS:

- they eliminate the need to use contraction steel meshes,
- they prevent scratches and shrinkage cracks efficiently,
- they eliminate surface cracks,
- they improve coherence and the even distribution of concrete,
- they improve resistance of fresh concrete,
- they increase durability of concrete elements,
- they increase wear resistance,
- they limit concrete and reinforce steel corrosion,
- they significantly increase concrete fire and they are frost resistance,
- they limit creation of concrete chips during fire,
- they decrease absorptivity and water permeability of concrete,
- they do not require additional care treatments,
- they do not require any changes in proportion to other components,
- they are chemically neutral and resistant to acids, salts and alkalis,
- they are light, easy and safe to use and they eliminate the danger of injuries,
- their use decreases the wear of machines and equipment (concrete mixers, pumps),
- their use decreases time and costs of construction,
- they decrease costs of transportation and storing in comparison to steel fibres.

USAGE:

- as an addition to mortars, masonry and plastering mixes,
- as an addition in case of wet shotcreting,
- for the production of, for example, roof tiles, paving tiles, kerbs, etc.
- for the construction of ceilings, retaining walls and concrete floors,
- for the construction of roads, parking spots, airports,
- for the construction of autoclaved cellular concrete,
- for the production of industrial floorings, ramps and factory sites,
- for the production of tunnels, wharfs, breakwaters, water collectors, etc.

EXEMPLARY PARAMETERS OF MICROFIBRES:

	BETON-FIB 23	BETON-FIB 30	BETON-FIB 34	BETON-ZBROJ
Class / shape	la / round	la / round	la / round	lb / bundle
Colour	white	white	white	white, steel, black
Strand measure	4 dtex	6 dtex	8 dtex	30 – 120 dtex**
Diameter	23 µm	30 µm	34 µm	45 - 200 µm**
Cutting length	6; 12; 19 mm	6; 12; 19 mm	6; 12; 19 mm	19; 25; 30; 40; 60 mm
Tensile strength	> 40 cN/tex > 400 N/mm ²	> 40 cN/tex > 400 N/mm ²	> 40 cN/tex > 400 N/mm ²	
Melting temperature	169°C	169°C	169°C	169°C
Vebe time	8-11 s.	8-11 s.	8-11 s.	8-9 s.
Packages	600/900 g	600/900 g	600/900 g	500/1000 g

The length of the added fibres depends mainly on the thickness of grains which are present in given mortar or concrete, as well as on the designation of the material produced.

EXEMPLARY USE*

The fibres should be added in a ratio appropriate for the assortment produced. The fibres should be added to s dry mass after adding aggregate, but before concrete and water. Mix for several minutes to evenly distribute the fibres. 5 minutes of mixing should guarantee that the mixture will be ready, but the final effect of mixing should be checked by evaluating the concrete consistency by way of organoleptic examination. Fibres can also be added to ready concrete mixtures in a concrete mixer truck, whose gear should be shifted to the top one and then, everything should be mixed for about 4-6 minutes.

6 and 12 mm – mortars, thin-layer masses

19 mm – concrete floors, small size precast concrete products, precast concrete flooring elements

30; 40 and 60 mm – ready-mixed concrete

60 mm – foundations, ceilings, containers, road and bridge engineering objects.

PROPOSED DOSING*

0,3 kg/m³ – mortars

0,6 kg/m³ – standard concrete types

0,9 kg/m³ – concrete of higher strength parameters

Beton-Fib and Beton-ZBROJ microfibres have undergone all tests required by law. They comply with the requirements of PN-EN 14889-2. They have a Declaration of Performance and bear the CE mark. They do not release dangerous substances.

Beton-Fib and Beton-ZBROJ microfibres for concrete cannot be used as a replacement for constructional reinforcement or in order to decrease the designed thickness of concrete elements.

* The aforementioned recommendations and suggestions should be treated as the manufacturer's guidelines or suggestions based on laboratory tests and the manufacturer's own experience. Due to various types of use and specificity of expectations, the final choice of the type and dosing ratio should be made individually.

** Bundle parameters of Beton-ZBROJ

Geosynthetic products

Foliarex geomembranes and geotextiles are top-quality products offering extensive application possibilities in road construction, railway construction and municipal projects.

This product family includes Geostar, a perfect HDPE geomembrane. Thanks to its unique strength parameters and high chemical, microbiological and UV resistance, Geostar is an ideal insulation material, frequently used in projects critical for the environment, such as sealing municipal landfill sites.

Foliarex broad-product range also includes long-renowned construction membranes, sheeting for gardening applications and wrap materials.

We constantly improve our products to make them even more practical in everyday applications. We also do our best to adjust our newly launched products to your needs. Therefore, we are proud of and grateful for 25 years of your confidence in us and the fact that you keep using Foliarex products in minor and major applications at work, at home or in the garden.

In the second half of 2015, thanks to launching another modern roofing membrane production line, we significantly enhanced our potential. For this reason, we can still offer you new, constantly improved products.



Geostar

HDPE Geomembrane

The Geostar HDPE Geomembrane is a synthetic, high-density polyethylene barrier providing water-proofing and gas-proofing protection for soils.

The Geostar HDPE Geomembrane is designed as a water- and gas-proof diaphragm in the following applications:

- municipal landfill site sealing and reclamation,
- leachate reservoir diaphragms,
- drainage/storage ditches and reservoirs,
- for sealing structures in liquid fuel storage and distribution facilities,
- channels and watercourses, levees and constructed reservoirs,

- sealing liquid manure tanks, concrete, RC and steel reservoirs,
- sealing scrapped vehicle recycling sites,
- waterproofing structural components in contact with the soil, i.e. retaining walls, abutments, circulation tunnels, etc.

HDPE Geomembranes are currently the best and, thus, the most popular and frequently used proofing material. The HDPE Geomembrane is superior to competitive products available on the market due to its unique properties:

Property	Units	Declared value				
		GEOSTAR 750	GEOSTAR 1000	GEOSTAR 1500	GEOSTAR 2000	GEOSTAR 2500
Thickness	mm	0,75 ±10%	1,0 ±10%	1,5 ±10%	2,0 ±10%	2,5 ±10%
Width	mm	5100 ± 1%				
Surface weight	g/m ²	705 ±10%	940 ±10%	1410 ±10%	1880 ±10%	2350 ±10%
Density	g/cm ³	≥0,94				
The carbon black content	%	≤3				
Tensile strength: – longitudinal – transverse	MPa	25 (-3) 25 (-3)				
Elongation at break: – longitudinal – transverse	%	≥500 ≥500				
Static puncture resistance	kN	2,3 (-0,5)	2,4 (-0,5)	2,9 (-0,6)	5,5 (-1,0)	5,5 (-1,0)
Durability and resistance: – oxidization – weather resistance – stress corrosion cracking	-	Conditions fulfilled				
Water permeability	[m ³ m ⁻² day ⁻¹]	<10 ⁻⁶ (no penetration, the product is waterproof)				
Hazardous	-	Free from hazardous chemicals				
Certificate ZKP	-	1023-CPR-0302F				
Health and safety approval	-	HK/W/0271/01/2014				

- chemical resistance,
- ageing resistance and UV resistance,
- very high physical and strength properties,
- microbiological resistance, which is of critical importance in waste environments,
- maximum proofing guarantee with ease of joint integrity checks thanks to advanced HDPE membrane joining techniques,

Geostar HDPE Geomembranes are 5 metres wide and come in the following thicknesses: 0.75, 1.00, 1.50, 2.00 and 2.50 mm, in two-sided plain and textured versions (one- and two- sided).



Wigeol

Non-woven geotextile fabric

Non-woven geotextiles manufactured by Wigolen SA – marketed under the brand name WIGEOL – are available in a wide variety of specifications and enjoy the confidence of designers and building contractors. WIGEOL products can solve complex geotechnical issues and help you to achieve considerable cost efficiency in comparison to conventional solutions. The products hold an Internal Production Inspection Certificate 1488-CPR-0028/Z issued by the Construction Technology Institute in Warsaw, verifying that all requirements of the following harmonised standards are met: PN-EN 13249+A1; PN-EN 13250+A1; PN-EN 13251+A1; PN-EN 13252+A1; PN-EN 13253+A1 They can be EC-labelled.

WIGEOL FEATURES:

- Reinforcement (R) – higher load capacity thanks to enhancing the mechanical properties of soil, reinforcing base courses. Increasing stability of soils of lower load capacity, stabilising structures and slope on weak grounds.
- Separation (S) – preventing neighbouring soil layers from mixing with each other (between fine-grained silty soil, clay soil, powdery soil and sand, sand and gravel mix and aggregate layer).
- Filtration (F) – preventing soil penetration while keeping the fluid circulating through the product.
- Drain (D) – the ability to transport the fluid along the product plane.
- Protection (P) – safeguarding against or limiting local destruction of a given component.





Each of the above product features involves certain requirements to be met.

Thanks to their versatility and variety,

Wigeol textiles can perform various functions:

F; R; F+R; F+S; R+S; F+R+S; D.

The separation function always combines with a different one.

APPLICATION:

- motorway and expressway construction,
- municipal, rural and temporary road construction on problem soils,
- reinforcing hard shoulder foundations,
- tramway and railroad subgrade construction,
- reinforcing slopes and embankments on weak soils,

Parameters	Standard	Unit	WIGEOL 80	WIGEOL 90	WIGEOL 100C	WIGEOL 120	WIGEOL 135	WIGEOL 165
Surface weight	PN-EN ISO 9864	g/m ²	80 ±10%	90 ±10%	100 ±10%	120 ±10%	135 ±10%	165 ±10%
Tensile strength: – along strip – across strip	PN-EN ISO 10319	kN/m	≥18 ≥15	≥21 ≥17	≥23 ≥20	≥25 ≥25	≥28 ≥28	≥32 ≥32
Elongation at break: – along strip – across strip	PN-EN ISO 10319	%	18 ±4 14 ±3	18 ±4 13 ±3	18 ±4 13 ±3	18 ±4 14 ±3	18 ±3 14 ±3	18 ±3 14 ±3
Puncture strength (CBR method)	PN-EN ISO 12236	kN	≥2,0	≥2,5	≥3,2	≥3,1	≥4,0	≥4,3
Dynamic clout (falling cone)	PN-EN ISO 13433	mm	±1,4	±1,5	10 ±1,5	7 ±0,8	±1,5	±1,5
Pore size O ₉₀	PN-EN ISO 12956	mm	0,35 ±0,05	0,19 ±0,05	0,12 ±0,05	0,20 ±0,05	0,17 ±0,05	0,19 ±0,05
Water permeability perpendicular to surface of the geotextile without V _{I₅₀} load	PN-EN ISO 11058	m/s	±0,004	±0,003	0,017 ±0,002	0,018 ±0,001	0,010 ±0,003	±0,006
Standard width	PN-EN 1773	cm	up to 525	up to 525	up to 525	up to 525	up to 525	up to 525

Wigoles SA reserves the right to change or modify and informs that the foregoing table of technical parameters does not constitute an offer within the meaning of the law.



- runway and airport construction,
- car park, stacking area, paving construction,
- sports facilities, pitch, court construction,
- reinforcing earth dam bodies and retaining structures,
- stabilising landslides, protecting against active erosion
- in drain system construction.

BENEFITS:

- reduces demand for costly aggregates,
- accelerates construction work progress (shorter consolidation periods),
- limits structural layers mixing with adjacent strata,
- enables construction on very weak soils,
- possibility of using local embankment materials,
- extends durability,
- enhances visual appeal of the structure,
- reduces the cost of removing temporary roads.

ADVANTAGES:

- non-degradable in soil and water environment,
- non-toxic, no hazard for potable water, people or animals,
- maintain their characteristics in sub-zero temperatures,
- UV-resistant,
- resistant to organic soils, cement and bitumen binder,
- resistant to chemical and biological agents,
- flexible, wide, easy to install, supplied in convenient rolls.

WIGEOL 185	WIGEOL 200	WIGEOL 230	WIGEOL 205M	WIGEOL 235M
185 ±10%	200 ±10%	230 ±10%	205 ±10%	235 ±10%
≥35 ≥35	≥40 ≥40	≥45 ≥45	≥48 ≥48	≥50 ≥50
21 ±4 13 ±3	22 ±5 12 ±3	21 ±4 13 ±3	18 ±4 18 ±4	18 ±4 18 ±4
≥4,9	≥4,9	≥5,5	≥5,3	≥5,7
±1,5	±1,5	±1,5	2,7 ±1,5	3,0 ±1,5
0,28 ±0,05	0,22 ±0,05	0,23 ±0,05	0,20 ±0,05	0,20 ±0,05
±0,003	±0,003	±0,004	0,017 ±0,002	±0,002
up to 525	up to 525	up to 525	up to 525	up to 525

Wigeol-ero

Geogrid

Anti-erosive geogrid Wigeol-ero is a modern polypropylene geotextile, which – thanks to its exceptional durability and ease of installation – wins bigger and bigger popularity in many areas of civil engineering.

APPLICATIONS:

- in securing surfaces of scarps and embankments,
- in operations of greening,
- for reinforcement of embankments and scarps on weak soils,
- to stabilize landslides,
- as a protection against active erosion.



Essential characteristics	Applied properties	Harmonized technical specification
Superficial mass	90 ±10% g/m ²	PN-EN 13252:2002/A1 :2006 PN-EN13253:2002/A1:2006 PN-EN 13252+A1; PN-EN 13253+A1
Tensile strenght: – longitudinal – transverse	≥15 kN/m ≥14 kN/m	
Unit elongation at maximum load: – longitudinal – transverse	20 ±5% 13 ±4%	
Static puncture resistance	≥1,2 kN	
Dynamic puncture resistance		
Permeability for flow perpendicular to the surface of product	≥0,250 mis	
Characteristic size of pores O ₉₀		
Durability	at least 25 years in natural grounds with a 4<pH<9 and a ground with the temperature of < 25 degrees	
Aging resistance under atmospheric condition	hide within 1 month	



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