



## Vapour permeable membranes Kronfol 100-225

The **KRONfol** roofing membranes are initial roofing layers that improve tightness of the primary roofing laid on battens and counter battens as well as protect the structure of sloping roofs and thermal insulation against moisture.

The use of **KRONfol** membranes in the roofing construction brings a number of benefits for both users and installers:

- For residents:
  - high & steady vapour permeability
  - watertightness protecting the roof
  - resistance to UV radiation
- For contractors:
  - high flexibility and lightness to facilitate the installation process
  - high mechanical strength

High quality **KRONfol** membranes also fulfil the following functions:

- condensation control
- additional drainage layer
- watertightness
- windproof

The **KRONfol** membranes are designed for pitched roofs with an inclination greater than or equal to 20°, for all types of roof covering materials for which the air flow along the counter-battens is provided. These membranes protect both roof structures with residential and non-habitable attic space. In roofs with lower pitches (12°-19°) the **KRONfol** membranes can be laid only after special conditions have been met that must be included in the roof design.

	KRONfol 100	KRONfol 120	KRONfol 140	KRONfol 160	KRONfol 180	KRONfol 225
Layers	3	3	3	3	3	3
Sd [m]	0,015	0,015	0,015	0,015	0,015	0,015
Resistance to water penetration before and after artificial ageing	Class W1	Class W1	Class W1	Class W1	Class W1	Class W1
Temperature application range [°C]	-40 do +120	-40 do +120	-40 do +120	-40 do +120	-40 do +120	-40 do +120
UV-stabilised [months]	3	3	3	3	3	3
Material	polypropylene	polypropylene	polypropylene	polypropylene	polypropylene	polypropylene
Fire class	E-d2	E-d2	E	E	E	E-d2
Use on full decking	-	yes	yes	yes	yes	yes
Logistic details						
Roll dimensions	1.6 m x 50 m (80 m <sup>2</sup> )	1.6 m x 50 m (80 m <sup>2</sup> )	1.6 m x 50 m (80 m <sup>2</sup> )	1.6 m x 50 m (80 m <sup>2</sup> )	1.6 m x 50 m (80 m <sup>2</sup> )	1.6 m x 50 m (80 m <sup>2</sup> )
Number of rolls per pallet	49	49	36	36	25	25
Pallet width/length/height	1.2 m/1.65 m/1.1 m	1.2 m/1.65 m/1.15 m	1.2 m/1.65 m/1.2 m	1.2 m/1.65 m/1.25 m	1.2 m/1.65 m/1.3 m	1.2 m/1.65 m/1.35 m



## Fiberglass mesh

High quality **KRONmesh** fiberglass mesh comes in 50m long and 1m high rolls in two basis weights from 145g/m<sup>2</sup> to 165g/m<sup>2</sup>. Its purpose is to produce reinforcing layers for under-plasters. The mesh is available in white as standard or in yellow and orange upon request.

Advantages:

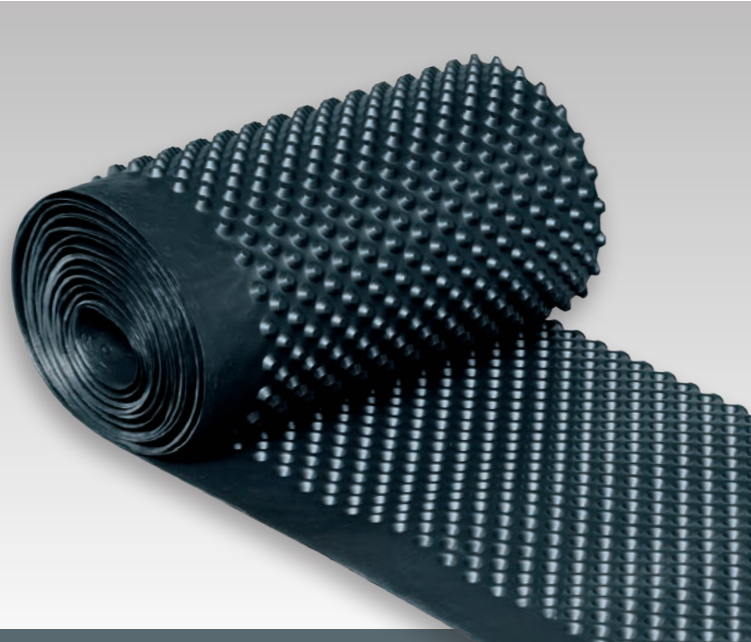
- strong and stable fibre weave forming a mesh
- regular size of mesh openings to ensure dimensional stability
- quick and easy installation
- high mechanical strength

The fiberglass mesh is an indispensable element of the insulation system which with its technical parameters reduces thermal deformations. It protects against mechanical damage to which the insulation system is subject during the use. Applying fiberglass mesh allows to create a durable base under the plaster layer. It prevents formation of scratches and cracks on the facade layers.

## Non-permeable underlay KRONterm 110

The **KRONterm 110** non-permeable underlay is a material shielding insulation and roof structure from warm and humid air penetration. Its purpose is to protect thermal insulation and roof design against water vapour that negatively affects the insulation properties as well as reduces the service life of the wooden roof structure. The **KRONtherm 110** underlay protects against water vapour penetration into thermal insulation layer. By reflecting part of the heat coming from the attic, the reflective layer of the aluminium underlay reduces heat loss and contributes to energy savings. The layer of the non-permeable underlay increases the strength performance of the product. The **KRONtherm 110** ensures comfortable climate conditions in living space situated within the attic.

Technical specification	KRONtherm 110
Mass per unit area [g/m <sup>2</sup> ]	110
Thickness [mm]	0.4
Layers	3
Sd [m]	45
Resistance to tearing lengthwise [N/5 cm]	120
Resistance to tearing crosswise [N/5 cm]	50
Material	polyethylene+ aluminium
Fire class	E
CE in accordance with EN 13859-1:2006 and EN 13859-2:2006	
Logistic details	
Roll dimensions	1.5 m x 50 m (75 m <sup>2</sup> )
Number of rolls per pallet	100
Pallet weight/width/length/height	880 kg/1.1 m/1.55 m/1.85 m



## Foundation insulation and protection system **KRONflex**

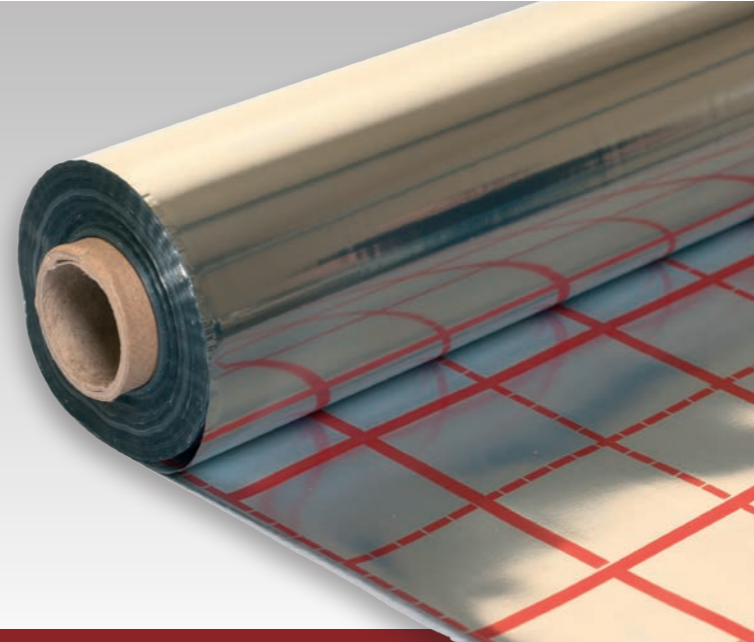
The **KRONflex** dimpled foundation membrane is used for anti-moisture insulation of the building and its structure. It is an excellent protection against aggressive action of water vapour, ground water and soil.

The **KRONflex** membrane can be used for the insulation of:

- foundation walls
- covered ceilings
- terraces
- internal walls of basements
- under floors of basements
- retaining walls

It can also be used on external and internal surfaces, new and old structures. It is made of high density polyethylene (HDPE) that features high mechanical strength

Technical specification	KRONflex 0.5m	KRONflex 1.0m	KRONflex 1.5m	KRONflex 2.0m	KRONflex 2.5m	KRONflex 3.0m
Mass per unit area [g/m <sup>2</sup> ]				400 ±10%		
Thickness [mm]				0.2		
Layers				1		
Resistance to tearing lengthwise [N/5 cm]				250		
Resistance to tearing crosswise [N/5 cm]				200		
Material				HDPE		
Fire class				F		
Logistic details						
Roll dimensions	0.5 m x 20 m (10 m <sup>2</sup> )	1.0 m x 20 m (20 m <sup>2</sup> )	1.5 m x 20 m (30 m <sup>2</sup> )	2.0 m x 20 m (40 m <sup>2</sup> )	2.5 m x 20 m (50 m <sup>2</sup> )	3.0 m x 20 m (60 m <sup>2</sup> )
Number of rolls per pallet	48 rolls	24 rolls	12 rolls	12 rolls	12 rolls	in bulk
Pallet weight/width/length/height	208 kg/ 1.0 m/1.30 m/2.20 m	208 kg/ 1.0 m/1.30 m/2.20 m	160 kg/ 1.0 m/1.30 m/1.65 m	208 kg/ 1.0 m/1.3 m/2.20 m	256 kg/ 1.0 m/1.3 m/2.65 m	—



## Underlays for underfloor heating

The aluminium underlay is intended for use with water-based underfloor heating system for heating elements. There is a printing in the form of a red grille placed on the underlay to facilitate the installation of heating pipes. The underlay prevents heat loss by reflecting heat rays. The underlay also protects Styrofoam boards against moisture from cement mortar while laying the floor layers on them.

Advantages:

- protection against heat loss
- protection of Styrofoam boards against moisture
- easier installation of underfloor heating systems
- easy installation & processing

Thickness	Width	Length
0.1 mm	1030 mm	50 m



Ridge tape



Ridge batten support



Eaves hackle



Chimney tape

## Roof accessories



Eaves grille



Roof tiles clips



Ridge vent with brush

and more...

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# KRONmat

Membranes, underlays, fiberglass mesh and insulation underlays by **KRONmat** are products designed for insulation and protection of roofs, ceilings, floors and walls of buildings. With their operational properties, they provide adequate protection of building structures and secure comfortable conditions for residents. The **KRONmat** product range includes high vapour permeable membranes, non-permeable underlays, foundation membranes, underfloor heating membranes, insulation underlays and fiberglass meshes.