

MC-Plan 200 PE

TPO modified synthetic membrane.

- PRODUCT DESCRIPTION:**
- **MC-Plan 200 PE** is a synthetic membrane manufactured in TPO modified polyolefin, double colour sand-grey/black, obtained by co-extrusion, reinforced by a polyester mesh.
 - The upper sand grey layer is featured by a very high resistance to weather and UV rays, while the underlying black layer is punching resistant.
 - Manufactured in a plant certified by UNI EN ISO 9001 (Quality management system) and UNI EN ISO 14001 (Environmental management system).
 - Finishing and accessories composed by elements produced and approved by the supplier.

- PRODUCT PROPERTIES:**
- Weatherproof and UV resistance.
 - Resistant to wind stress.
 - Mechanical resistance and resistance to punching.
 - Adaptability to structural movements.
 - Flexibility at low temperatures.

- AREAS OF APPLICATION:**
- **MC-Plan 200 PE** is used on exposed roof, with mechanical fastening system.

TECHNICAL DATA:

Characteristics	Standard	1,20 mm film thickness	1,50 mm film thickness	1,80 mm film thickness	2,00 mm film thickness
Thickness (mm)	EN 1849-2	1,20	1,50	1,80	2,00
Weight (kg/m ²)	EN 1849-2	1,15	1,40	1,68	1,85
Tensile Strength (N/50 mm)	EN 12311-2	≥ 1100	≥ 1100	≥ 1100	≥ 1100
Elongation at break (%)	EN 12311-2	≥ 600	≥ 600	≥ 600	≥ 600
Tear Resistance (N)	EN 12310-2	≥ 300	≥ 300	≥ 300	≥ 300
Resistance to impact (mm)	EN 12691	≥ 450	≥ 800	≥ 900	≥ 1250
Cold Bending (°C)	EN 495-5	≤ -40	≤ -40	≤ -40	≤ -40
Hydrostatic pressure resistance (6 hours at 0,5 MPa)	EN 1928 met. B	Waterproof	Waterproof	Waterproof	Waterproof
Dimensional Stability (%)	EN 1107-2	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,5
Resistance to artificial weathering (UV)	EN 1297	No surface cracking	No surface cracking	No surface cracking	No surface cracking
Resistance to static punching (kg)	EN 12730	≥ 20	≥ 20	≥ 20	≥ 20
Fire resistance	EN ISO 11925-2 EN 13501-1	E	E	E	E

PRODUCTION STANDARDS:

Thickness	1,20 mm		1,50 mm		1,80 mm		2,00 mm	
	Width	1,05 m	2,10 m	1,05 m	2,10 m	1,05 m	2,10 m	1,05 m
Rolls per pallet	46	23	46	23	36	18	36	18
Length	25 m		20 m		20 m		20 m	
Colour (surface & underside)	Sand grey / Black							

CE marking

Product CE marked according with EN 13956.

Note: The information provided here is based on our experience and correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual building projects, to the specific application and to non-standard local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be adhered.

Edition **08/2024**. Some technical changes have been made to this print medium. Older editions are invalid and may not be used.