

Corotop Open UV

Facade membrane / Roof membrane

Corotop®

Facade/roof membrane made of thermoplastic polyurethane combined with polyester non-woven fabric. For use on closed and partially open roofs and facades. The product has an increased class of reaction to fire – B,s1-d0 – non-flammable, non-spread fire (NRO-rate). Suitable for roofs and open facades with open joints up to 5 cm wide and a maximum surface area of up to 40 %. Available with adhesive strips.

Advantages

- ✓ increased reaction to fire class
- ✓ material with no or very limited contribution to fire – (NRO-rate)
- ✓ Short-term temperature resistance to +120°C
- ✓ protects building's elevation by increasing its durability
- ✓ increases building's energy-saving and eliminates heat shortages through walls
- ✓ UV-resistant

Application

- ✓ on external building walls in a wood or steel frame construction
- ✓ on inside house walls made of logs
- ✓ for open facades
- ✓ in ventilated elevation systems
- ✓ pre-covering of pitched roofs



High resistance to water penetration



High vapour permeability



Does not spread fire



Energy saving



Conformité Européenne

Parameters

Material	polyester, TPU
Number of layers	2
Mass per unit area	200 g/m ² ±10%
Colour	black, grey
Width	1,5 m
Length	50 m
Reaction to fire	B-s1,d0
Resistance to water penetration	class W1
Resistance to water penetration after artificial aging	class W1
Water vapor diffusion (Sd)	0,13 m (-0,03/+0,03)
UV resistance	5000h*
Tensile strength (along)	340 N/50 mm (±30)
Tensile strength (across)	240 N/50 mm (±30)
Elongation (along)	50 % (±15)
Elongation (across)	70 % (±15)
Tear resistance MD (along)	210 N (±30)
Tear resistance CD (across)	300 N (±30)

Resistance to artificial aging associated with mechanical properties:

Tensile strength (along)	320 N/50 mm (±30)
Tensile strength (across)	220 N/50 mm (±30)
Elongation (along)	40 % (±15)
Elongation (across)	60 % (±15)
Flexibility at low temperature	≥-20°C
Alignment	meet the requirements
Stability of dimensions	< 2%
Temperature resistance	-40°C to +80°C
Short-term temperature resistance	+120°C

Meet the requirements: EN 13859-1:2010, EN 13859-2:2010.

** Refers to the annual average insolation; as the periodic insolation increases, the duration of maximum exposure to UV radiation decreases proportionally.

Kenfairy