

LOGICROOF V-RP

Synthetic, single ply, mechanically fastened, waterproofing material

Application areas:

Roof waterproofing membrane for single ply mechanically fastened exposed flat roofs.

Description:

LOGICROOF V-RP is a polyester reinforced multi-layer, obtain by co-extrusion, synthetic roof waterproofing sheet based on premium-quality plasticized polyvinyl chloride (PVC-P). The upper light layer is featured by a very high resistance to weather and UV rays, while the underlying black layer is punching resistant.



Thickness range: 1.2 mm; 1.5 mm; 1.8 mm and 2.0 mm.

General features:

- Outstanding resistance to weathering, including permanent UV radiation;
- Resistant to wind load;
- High resistance to impact and puncture;
- High tensile strength;
- Excellent flexibility in cold temperatures;
- High water vapour permeability;
- Outstanding weldability;
- Recyclable.



Application method:

The roof waterproofing sheet is installed by mechanical fastening in seam overlaps. Overlap seams are welded by electric hot welding equipment, such as manual hot air welding machines and pressure rollers or automatic hot air welding machines with controlled hot air temperature. (Recommended type of equipment: LEISTER TRIAC for manual welding and LEISTER VARIMAT for automatic welding)

Product technical data:

Characteristics	Test method	Material
		LOGICROOF V-RP
External fire performance	EN 13501-5 ENV 1187	B_{ROOF}(t1), B_{ROOF}(t2), B_{ROOF}(t3)
Reaction to fire	EN 13501-1	Class E
Effective thickness, mm	EN 1849-2	1,2(-0/+10%); 1,5/1,8/2,0 (-5/+10%)
Mass per unit area, kg/m ²	EN 1849-2	1,5/1,8/2,2/2,7
Tensile strength, longitudinal/transversal, N/50 mm	EN 12311-2	≥ 1100/≥ 900
Elongation, %	EN 12311-2	≥ 15
Water tightness, kPa	EN 1928-2 B	≥ 10
Foldability at low temperature, °C	EN 495-5	≤ -35
Resistance to impact, rigid sub./soft sub., mm	EN 12691	≥ 300/≥ 600
UV exposure, h	EN 1297	≥ 5000
Length/width, m	EN 1848-2	25*x2,05

*-by request