



Flexible sheets for roof waterproofing - LOGICROOF

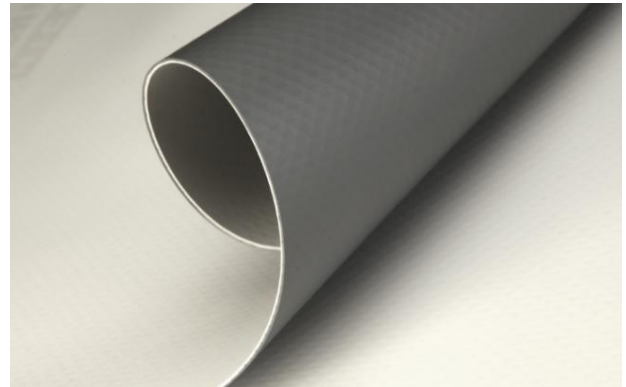
EN 13956

Product description

Roofing synthetic membrane based on the high-quality plasticized polyvinyl chloride (PVC-P). Stabilized against UV radiation. Contains fire retardants and special stabilizers. Its increased elasticity makes it easy to lay, even at low temperatures. Delivered in rolls 15-25 m depending on the material thickness. The top surface may have a special anti-slip embossing.

Application areas

PVC Roofing Membranes LOGICROOF are suitable for waterproofing of exposed single ply roofing systems with mechanical fastening, adhered solutions and ballasted roofs. Membranes retain their elasticity at low temperatures and are suitable for all climatic areas.



Membrane type LOGICROOF	Application area
V-RP V-RP (t1,-25) V-RP (t1,-30)	PVC membrane reinforced with polyester mesh. Used for waterproofing of single ply roofing systems with mechanical fastening.
V-GR	PVC membrane reinforced with glass fiber, which gives enhanced resistance to puncture. Used for waterproofing of ballasted roofing systems.
V-RP FB V-GR FB V-GR FB SA	PVC membrane with laminated geotextile fleece on the bottom surface, which is designed for use in fully adhered systems.
V-SR	Homogeneous PVC membrane suitable for elements of reinforcement and interfacing with different constructions (pipes, funnels, etc).

Appearance

Surface	<i>matt surface</i>	
	Color	RAL*
Upper layer colors	<i>dark grey</i>	7012
	<i>light grey</i>	7047
	<i>white</i>	9003
	<i>green</i>	6002
	<i>blue</i>	5002
	<i>red</i>	3016
Bottom layer color:	<i>dark grey</i>	

* Particular batch color may vary slightly

Application method

LOGICROOF membranes are applied through hot air gun on their overlapping joints. Design solutions and application methods are illustrated in the technical manual published by TECHNOMICOL. 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, Herz Rion/Eron for manual welding and Leister Varimat, Herz Laron for automatic welding. Avoid direct contact with any materials containing bitumen and solvents, or foam insulation materials (EPS, XPS, PU, foam glass).

Storage

The rolls shall be stored in pallets and sorted by types. Storage in dry premises, horizontally, no more than 2 rows by the height in no less than 1 m away from the heating appliances. Roofing membranes shall be stored in closed premises or under shelter. Short-term storage of the pallets outdoors is allowed (within 60 days maximum). Rolls must be used within 18 months from date of manufacture in order to remain within their warranty period. After this length of time, rolls should be verified by TECHNOMICOL in order to ensure compliance with the requirements of EN 13956.

Quantities

Material LOGICROOF	m ² per roll	m ² per pallet*
V-RP 1,2 mm	52.5	945
V-RP 1,5 mm	42	756
V-RP 1,8 mm	31.5	567
V-RP 2,0 mm	31.5	567
V-RP FB 1,5 mm	42	630
V-RP FB 1,8 mm	31.5	567
V-RP FB 2,0 mm	31.5	567
V-GR 1,5 mm	42	756
V-GR 1,8 mm	31.5	567
V-GR 2,0 mm	31.5	567
V-GR 2,4 mm	31.5	472.5
V-GR FB 1,5 mm	31.5	472.5
V-GR FB 1,8 mm	31.5	472.5
V-GR FB 2,0 mm	31.5	472.5
V-GR FB 2,4 mm	31.5	554
V-GR FB SA 1,5 mm	31.5	472.5
V-GR FB SA 1,8 mm	31.5	554
V-GR FB SA 2,0 mm	31.5	554
V-SR 1,5 mm	20	420
V-SR 1,8 mm	20	420

*18 rolls on each pallet

Transportation

Pallets with rolls shall be transported in covered vehicles, horizontally, no more than 3 rolls by the height. Pallets can be transported in 3 rows by the height, whereby the weight of the upper pallets shall be equally distributed among all the rolls of the bottom rows, using wooden panels or pallets.

Package

The rolls shall be packed with polyethylene film by the whole roll length. The membranes shall be placed in pallets, horizontally, no more than 3 rows by height and fastened with belts or other materials.

Product technical data

Characteristic 1) md =machine direction 2) cmd =cross machine direction	V-RP V-RP (t1,-30)	V-RP (t1,-25)	V-RP FB	V-GR	V-GR FB	V-GR FB SA	V-SR	Test method
Tensile strength longitudinal (md) ₁ transversal (cmd) ₂	≥ 1100 N/50 mm ≥ 1000 N/50 mm	≥ 1100 N/50 mm ≥ 900 N/50 mm	≥ 1100 N/50 mm ≥ 900 N/50 mm	≥ 13MPa ≥ 13MPa	≥ 700 N/50mm ≥ 600 N/50mm	≥ 700 N/50mm ≥ 600 N/50mm	≥ 16 MPa ≥ 15 MPa	EN 12311-2
Tear resistance longitudinal (md) ₁ transversal (cmd) ₂	≥ 180 N ≥ 180 N	≥ 150 N ≥ 150 N	≥ 150 N ≥ 150 N	≥ 110 N ≥ 110 N	≥ 110 N ≥ 110 N	≥ 110 N ≥ 110 N	≥ 150 N ≥ 150 N	EN 12310-2 EN 12310-1
Foldability	≥ - 30°C	≥ - 25°C	≥ - 30°C	≥ - 25°C	≥ - 25°C	≥ - 25°C	≥ - 30°C	EN 495-5
Dimensional stability	≤ 0,5%	≤ 0,5%	≤ 0,5%	≤ 0,5%	≤ 0,5%	≤ 0,5%	≤ 2%	EN 1107-2
External fire performance*	Broof (t1), (t2), (t3)	Broof (t1)	-	-	-	-	-	EN 13501-5 ENV 1187

* - depends on roofing system