

PVC-P SINTOPLAN RT

1. PRODUCT DESCRIPTION

UV-resistant synthetic PVC-P waterproofing membrane reinforced with a high-performance polyester mat. Membrane features contrasting colors on its top and bottom faces, providing a signal layer so any damage to the surface is immediately apparent during and after installation. Complies with CE marking requirements as per EN 13956.

2. SPECIFICATIONS ⁽¹⁾

Standard thickness (EN 1849-2)	mm	1.5	1.8	2.0
Standard roll dimension (EN 1848-2)	m	2.05 x 20	2.05 x 16.5	2.05 x 15
Visible defects (EN 1850-2)	Complies with requirements			
Standard colors ⁽²⁾	Gray			
Straightness (EN 1848-2)	mm	<30		
Flatness (EN 1848-2)	mm	<10		
Density (EN 1849-2)	kg/m ²	1.95	2.33	2.60
Tensile properties (EN 12311-2/B)				
• Tensile strength, L/T	N/5cm	1000/1100		
• Elongation, L/T	%	18/20		
Tear resistance, L/T (EN 12310/2)	N	200/220		
Cold flexibility (EN 495-5)	°C	≤ -25 (°)		
Dimensional stability, L/T (EN 1107-2)	%	≤0.3		
Puncture resistance – Static indentation (EN 12730/B)	kg	≥20		
Puncture resistance – Dynamic indentation (EN 12691/B)	mm	≥2000		
Watertightness (10 kPa) (EN1928)	Absolute			
Joint strength				
- Tensile strength (EN 12317-2)	N/5cm	1000 (or specimen fails outside bond area)		
- Peeling (EN 12316-2)		≥260		
Resistance to artificial UV weathering (EN 1297)	No surface damage (Grade 0)			

3. RECOMMENDED USES

SINTOPLAN RT membranes are designed for:
- Mechanically retained waterproofing for exposed roofs

4. METHODS OF APPLICATION

SINTOPLAN RT membranes are designed for bonding with a hot air gun. Special installation accessories can be ordered together with the membrane. For design solutions and the best application methods for all situations, consult the IMPER ITALIA S.p.A. Technical Services and the specific documentation. Substrates must be clean, dry and free from oil, grease and rough areas that could damage the membrane. Waterproofing systems using SINTOPLAN RT membranes must be laid by expert installers authorized by IMPER ITALIA S.p.A

5. COMPATIBILITY

SINTOPLAN RT membranes are not suitable for direct contact with certain plastics such as EPS and XPS. In addition, they are not suitable for direct contact with bituminous materials, oils and solvents.

6. SAFETY

Current regulations do not require a material safety data sheet for SINTOPLAN RT membranes, which contain no asbestos, tar or other dangerous substances. When correctly used, SINTOPLAN RT membranes do not damage the environment. They are not classified as materials involving hazards during transport. As a precaution, it is recommended that adequate ventilation be provided when installing membranes in enclosed areas.

Notes: (1) Where not otherwise specified, Tolerances as per EN 13956 and/or UEAtc Directives.
(2) Color of exposed face. Lower face is darker to serve as a signal layer. Exposed face is available in other colors on request.
(3) Not tested at lower temperatures.

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