

SINTOPLAN RG



Description

UV-resistant synthetic PVC-P waterproofing membrane reinforced with a fibreglass mat that makes it dimensionally stable.

The membrane features contrasting colours on its upper and lower faces, providing a signal layer so that any damage occurring during or after installation will be immediately apparent.

Available in REFLECTA WHITE version with the upper side of the membrane (top) manufactured with the REFLECTA WHITE treatment, developed in mass in the entire layer that covers the top of the reinforcement. This process enhances the reflectance and emission features giving the waterproof covering Solar Reflectance Index (SRI) values that reach 102%.

System certifications

QMS (Quality Management System) certification according to ISO 9001.

Compliant with the requirements for the CE marking, as per standard EN 13956.

Fields of application

Specific use

Waterproofing layers loose laid under heavy-duty fixed or movable protection for:

- roofing exposed to foot traffic;
- roof gardens.

Application

SINTOPLAN RG membranes are laid with welded joints by automatic or manual hot melting.

Specific accessories are available on demand to install the membranes.

See the specific documentation and contact IMPER ITALIA srl Technical Assistance for design solutions and application methods most appropriate for the different situations.

The waterproofing systems that use the SINTOPLAN RG membranes must be installed by skilled applicators, approved by IMPER ITALIA srl.

Compatibility

SINTOPLAN RG 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.

Safety regulations

Current regulations do not require a material safety data sheet for SINTOPLAN RT membranes. They do not contain asbestos, tar or other hazardous substances.

If used properly they do not damage the environment.

Not classified as hazardous goods for transport. As a precautionary measure, it is recommended to ventilate the rooms when applying in confined areas.

TECHNICAL FEATURES⁽¹⁾

Features	EN Standards	U.M.	Tolerance	Values			
Thickness	1849-2	mm	(-5/+5%)	1,2	1,5	1,8	2,0
Visible defects	1850-2			Compliant			
Straightness	1848-2	mm/10m		≤30			
Flatness	1848-2	mm		≤10			
Density	1849-2	kg/m ²	(-5/+10%)	1,48	1,85	2,25	2,52
Tensile behaviour							
• Tensile strength L/T	12311-2/B	N/mm ²		≥11			
• Elongation L/T	12311-2/B	%		≥200			
Cold flexibility	495-5	°C		≤-30 ⁽²⁾			
Dimensional stability L/T	1107/2	%		≤ 0,1			
Resistance to static loading	12730/B	kg		≥20			
Resistance to impact	12691/A	mm		≥500			
Resistance to impact	12691/B	mm		≥2000			
Tear resistance L/T	12310 / 2	N		≥150			
Hail resistance							
• Rigid substrate	13583	m/s		≥17			
• Soft substrate	13583	m/s		≥25			
Water tightness (10kPa)	1928			Absolute			
Resistance to vapour passage	1931	μ		20000			
Joint strength							
• Tensile strength	12317-2	N/5 cm		≥800 (specimen fails outside bond area)			
• Peeling	12316-2	N/5 cm		≥250			
Resistance to artificial UV light	1297-5000 h			No surface crack (Degree 0)			
Resistance to fire	13501-1			Class E ⁽³⁾			

Notes: (1) Where not otherwise specified, Tolerances as per EN 13956 and/or UEAtc Directives

(2) Not tested at lower temperatures.

(3) Internal Report.

PRODUCTION STANDARDS

Thickness^(*)	mm	1,2	1,5	1,8	2,0
Width	m	2,05	2,05	2,05	2,05
Length^(*)	m	25	20	15	15
Colour	Grey / Black				

(*) Different thicknesses and lengths are available on demand and for minimum quantities.

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