

SINTOPLAN RT**Description**

UV-resistant synthetic PVC-P waterproofing membrane reinforced with a high-performance polyester mat. 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%. II SINTOPLAN RT is also available in the no slip version, Sintoplan RT ANTISKID.

System certifications

QMS certification according to ISO 9001.
Compliant with the requirements for the CE marking, as per standard EN 13956.

Fields of application**Specific use**

Mechanically retained waterproofing for exposed roofs.

Application

SINTOPLAN RT membranes are applied partially independent by punctual or linear mechanical fastening with overlapping of welded sheets 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 RT membranes must be installed by skilled applicators, approved by IMPER ITALIA srl.

Compatibility

SINTOPLAN RT membranes are not suitable for direct contact with certain plastics such as EPS/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			
Mass per unit area	1849-2	kg/m ²	(-5/+10%)	1,50	1,80	2,20	2,50
Tensile behaviour							
• Tensile strength L/T	12311-2/A	N/5 cm		≥1000/≥1100			
• Elongation L/T	12311-2/A	%		≥18/20			
Cold flexibility	495-5	°C		≤-30 ⁽²⁾			
Dimensional stability	1107/2	%	≤	0,3			
Resistance to static loading	12730/B	kg		≥20			
Resistance to impact	12691/A	mm		≥500			
Resistance to impact	12691/B	mm		≥2000			
Tear resistance	12310	N		200/220			
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		21000			
Joint strength							
• Tensile strength	12317-2	N/5 cm		≥1000 (specimen fails outside bond area)			
• Peeling	12316-2	N/5 cm		≥260			
Resistance to artificial UV light	1297-5000 h			No surface crack (Degree 0)			
Resistance to fire	13501-1			Class E			
Resistance to external fire⁽³⁾	13501-5			Roof (t1), Roof (t2), Roof (t3)			

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

(2) Not tested at lower temperatures.

(3) Specific versions.

PRODUCTION STANDARDS

Thickness (*)	mm	1,2	1,5	1,8	2,0
Width	m	2,10	2,10	2,10	2,10
Length (*)	m	20	16,5	15	10
Colour				Grey / Black	

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

Rev. 01 (05-18)

Considerando le diverse situazioni d'impiego dei prodotti e l'intervento di fattori da noi non dipendenti (supporti, condizioni di esercizio, in osservanza delle prescrizioni, ecc.), non è possibile alla IMPER ITALIA srl assumere responsabilità in merito ai risultati ottenuti. Il progresso unito alla costante ricerca dei massimi livelli prestazionali possono apportare - nel tempo - modificazioni alle informazioni contenute in questo stampato, senza che la IMPER ITALIA srl debba darne preavviso a tutti gli interessati.



Imper Italia srl Via Volta, 8 · 10071
 Frazione Mappano · Borgaro (TO) Italy
 Tel (+39) 011 222.54.99 · Fax (+39) 011 222.54.80
 imper@imper.it · www.imper.it