

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 | | | |
| Density | 1849-2 | kg/m ² | (-5/+10%) | 1,50 | 1,80 | 2,20 | 2,70 |
| Tensile behaviour | | | | | | | |
| • Tensile strength L/T | 12311-2/A | N/5 cm | | ≥1100/≥1000 | | | |
| • Elongation L/T | 12311-2/A | % | | ≥18/20 | | | |
| Cold flexibility | 495-5 | °C | | ≤-25 ⁽²⁾ | | | |
| Resistance to static loading | 12730/B | kg | | ≥20 | | | |
| Resistance to impact | 12691/A | mm | | ≥500 | | | |
| Resistance to impact | 12691/B | mm | | ≥2000 | | | |
| 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 | | | Broof (t1), Broof (t2), Broof (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 | 25 | 20 | 15 | 15 |
| Colour | | Grey / Black | | | |

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

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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.



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