

SINTOPLAN V CAR**Description**

Flexible synthetic membranes in polyvinyl chloride plastic (PVC-P), obtained by co-extruding, with the use of plasticizers resistant to hydrocarbons. Suitable for waterproofing roofs under heavy protection for parking. Equipped with high mechanical resistance and at low temperatures. It is available in the SINTOPLAN V CAR FB version with a "non-woven" polyester bonded on the lower face.

Sintoplan V CAR membranes comply with CE marking requirements, if applicable.

System certifications

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

Fields of application**Specific use**

Waterproofing surfaces under heavy protection for drive/walk-on roofs and / or for the parking area.

Application

SINTOPLAN V CAR membranes are laid in total independence under heavy protection fixed with overlapping of sheets welded with hot air.

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 V CAR membranes must be installed by skilled applicators, approved by IMPER ITALIA srl.

Compatibility

SINTOPLAN V CAR membranes are not suitable for direct contact with certain plastics such as EPS and XPS.

Safety regulations

Current regulations do not require a material safety data sheet for SINTOPLAN V CAR 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%)	1,5	1,8	2,0
Density	1849-2	kg/m ²	(-5/+10%)	2,10	2,50	2,80
Tensile behaviour						
• <i>Tensile strength L/T</i>	12311-2/B	N/mm ²		17		
• <i>Elongation L/T</i>	12311-2/B	%		300		
Cold flexibility	495-5	°C		≤-25 ⁽²⁾		
Resistance to static loading	12730/B	kg		≥20		
Tear resistance L/T	12310/2	N		160		
Water tightness (24 h x 1 MPa)	1928			Absolute		
Joint strength						
• <i>Tensile strength</i>	12317-2	N/5 cm		Compliant (specimen fails outside bond area)		
Resistance to hydrocarbons	8313			Resistant		

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

(2) Not tested at lower temperatures.

PRODUCTION STANDARDS

Thickness^(*)	mm	1,5	1,8	2,0
Width	m	2,10	2,10	2,10
Length^(*)	m	25	20	20
Colour			Black	

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

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ISO 9001
ISO 14001
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Certification



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