

ECOFLEX V**Description**

Flexible synthetic waterproofing membrane in plasticised vinyl chloride (PVC-P), obtained through a co-extrusion process. Single layer membrane in two-colour version (signal-layer). The different colours on the two sides, light on the exposed surface and dark behind, make it possible to immediately identify any damage to the membrane during installation.

Characterised by high mechanical resistance, resistance to the attack of micro-organisms in soil, to roots, to explosion, to low temperatures.

System certifications

QMS (Quality Management System) certification according to ISO 9001:2008.

Product certifications

Regulation CPR 305/2011/EU.

Certificate No. 1035-CPR-ES37420-1, harmonised standard EN13491.

Certificate No. 1370-CPR-0101, harmonised standard EN13967.

Fields of application**Specific use**

The ECOFLEX V membrane is suitable for the realisation of synthetic waterproofing systems for underground structures:

- foundations;
- retaining walls;
- natural and artificial tunnels.

Application

The ECOFLEX V membranes are laid dry totally or partially independent by welding on PVC fastening disks. The overlaps between the sheets are welded with automatic or manual hot melting.

Note: The installation must be carried out by qualified installers and approved by IMPER ITALIA srl.
Any accessories and finishing elements must be compatible and in any case manufactured or approved by IMPER ITALIA srl.

TECHNICAL FEATURES

Features	EN Standards	U.M.	Tolerance	Values		
Thickness	EN 1849-2	mm	(-5/+5%)	1,5	2,0	3,0
Density	EN 1849-2	kg/m ²	(-5/+10%)	2,0	2,7	4,0
Cold flexibility	EN 495-5	°C		<-35°		
Tensile strength	EN 12311-2	N/mm ²		≥15		
Elongation at break	EN 12311-2	%		≥250		
Water impermeability (24 h at 1 MPa)	EN 1928			No leaks		
Resistance to impact	EN 12691	mm		≥750	≥1000	≥1800
Resistance to static loading	EN 12730 EN 12236	kg kN		20 1,5	20 2,5	20 3,0
Microbiological resistance	EN 12225			Compliant		
Resistance to roots	UNI CEN/TS 14416			No penetration		

PRODUCTION STANDARDS

Thickness ^(*)	mm	1,5	2,0	3,0
Width	m	2,10	2,10	2,10
Length ^(*)	m	25	20	20
Colour			Light green / 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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