

**ECOFLEX V PT****Description**

Flexible synthetic membrane in plasticized vinyl chloride (PVC-P), obtained through a co-extrusion process. Characterised by high mechanical resistance, resistance to impact, to the attack of micro-organisms in soil, to roots, to low temperatures.

**System certifications**

QMS certification according to ISO 9001.

**Product certifications**

Regulation CPR 305/2011/EU.

Certificate No. 1370-CPR-1210, harmonised standard EN13491.

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

**Fields of application****Specific use**

The ECOFLEX V PT membrane is recommended as a protective layer in synthetic waterproofing systems for underground structures:

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

and as functional layer in the construction of injectable partitioned systems such as IMPER FAIL SYSTEM.

**Application**

ECOFLEX V PT membranes are dry laid completely independently or fixed by points by heat sealing on the underlying waterproof layers. In compartmentalized systems the membranes will be welded on the longitudinal fins of the compartmentalization joints.

The overlaps between the sheets are welded by automatic or manual thermofusion.

**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/+10%)	1,5	1,6	2,0	3,0
Mass for unit area	EN 1849-2	kg/m <sup>2</sup>	(-5/+10%)	2,10	2,24	2,80	4,20
Tensile strength	EN 12311-2	N/mm <sup>2</sup>	± 2	10			
Elongation at break	EN 12311-2	%	± 10	200			
Water impermeability (24 h at 1 MPa)	EN 1928	-	-	No leaks			
Resistance to impact	EN 12691	mm	≥	500	750	1000	1800
Tear strenght	EN 12310/2	N/mm	≥	80			
Reaction to fire	EN 13501-1	Euroclass	-	E (*)			

(\*) Internal Report

## PRODUCTION STANDARDS

Thickness (**)	mm	1,5	1,6	2,0	3,0
Width	m	2,10	2,10	2,10	2,10
Length (**)	m	25	20	20	20
Colour	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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