

## SINTOFOIL ST WPS PT

### Description <sup>(1)</sup>

Synthetic membrane produced by co-extruding a uniform highly flexible elastomerised polyolefin alloy. It is not UV resistant. It is recommended as a protective layer of synthetic waterproofing systems in TPO/FPA for underground works.

**Note:** (1) The membrane is equipped with specific accessories, to be requested explicitly.

### System certifications

QMS certification according to ISO 9001.

This product can contribute to acquiring points in terms of LEED accreditation.

### Fields of application

#### Specific use

The SINTOFOIL ST WPS PT membrane is suitable for the protection of waterproofing systems for underground works:

- foundations;
- retaining walls.

**Note:** Given the versatility and reliability of SINTOFOIL membranes, other applications can be developed with the assistance of the IMPER ITALIA srl – Rubberfuse Division Technical Services.

### Application

Sintofoil membranes are designed for easy bonding with a hot air gun, as no adhesives or other materials of any kind are required. Design solutions and application methods are illustrated in the technical manual published by Imper Italia. Waterproofing systems employing SINTOFOIL membranes should be laid by installers authorised by Imper Italia Technical Services.

## TECHNICAL FEATURES <sup>(2)</sup>

Features	EN Standards	U.M.	Tolerance	Values
Standard thickness	1849-2	mm	(-5/+10%)	2
Density	1849-2	kg/m <sup>2</sup>	(-5/+10%)	1.80
<b>Tensile properties</b>				
• ATensile strength L/T	12311-2	N/mm <sup>2</sup>		15 / 15
• Elongation at break L/T	12311-2	%		600 / 600
Dimensional stability	1107-2	%		≤ 0.5
Cold flexibility	495	°C		≤ -40 <sup>(3)</sup>
Tear resistance L/T	12310/1	N		650 / 600
Resistance to static loading	12730/B	kg		≥ 25
Water tightness (60kPa)	1928			Absolute
<b>Joint strength</b>				
• Tensile strength	12317-2	N/cm		Compliant (specimen fails outside bond area)
• Peeling	12316-2	N/cm		≥ 58
<b>Durability</b>				
• Waterproofing after thermal ageing	1926-1928			Passes the test at 60 kPa
Resistance to algae and microorganisms	ISO 846 Level 2			Compliant
Root resistance	13948			Passes the test

Notes: (2) Tolerances as per EN 13967.

(3) Not tested at lower temperatures.

## PRODUCTION STANDARDS

Thickness <sup>(*)</sup>	mm	2,0
Width	m	2,10
Length <sup>(*)</sup>	m	20
Standard colour		Black

<sup>(\*)</sup> Different thicknesses and lengths are available on demand and for minimum quantities.

Rev. 02 (06-23)

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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