

Unique identification code of the product-type: **FLAGON PZ**

Intended uses: **PVC membrane for waterproofing of tunnels and underground structures (EN 13491:2013)**

Manufacturer: **SOPREMA srl  
Via Industriale dell'Isola, 3  
24040 CHIGNOLO D'ISOLA (BG) – Italia  
www.soprema.it**

Authorised representative: **Not applicable**

Systems of AVCP: **System 2+**

Harmonised standard: **EN 13491:2013**

Notifies bodies: **Notified Body No. 1085  
OFI Technologie & Innovation GmbH**

Declared performances:

Essential characteristics	Test method	Performance	Harmonised technical specification
Tensile strength: - Longitudinal (MD) (N/mm <sup>2</sup> ) - Transversal (CMD) (N/mm <sup>2</sup> )	EN ISO 527-3	> <b>11,6</b> (-1,55 N/mm <sup>2</sup> ) > <b>11,6</b> (-1,55 N/mm <sup>2</sup> )	<b>EN 13491:2013</b>
Resistance to static puncture (kN) thickness 1,5 mm thickness 1,6 mm thickness 1,8 mm thickness 1,9 mm thickness 2,0 mm thickness 3,0 mm	EN ISO 12236	> <b>1,70</b> (-0,10 kN) > <b>1,80</b> (-0,10 kN) > <b>1,90</b> (-0,10 kN) > <b>2,00</b> (-0,10 kN) > <b>2,10</b> (-0,10 kN) > <b>3,10</b> (-0,10 kN)	
Water permeability:	EN 14150	< <b>10<sup>-6</sup> m<sup>3</sup>m<sup>-2</sup>d<sup>-1</sup></b>	
Durability: - Oxidation, variation in tensile properties (%) - Environmental stress cracking	EN 14575 ASTM D 5397	≤ <b>25</b> <b>not applicable</b>	

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: **Mr. BROCCANELLO Bruno, Managing Director  
Chignolo d'Isola, 01/10/2017**

