

Unique identification code of the product-type: **FLAGON CSL
FLAGON CSL 12
FLAGON CSL 15**

Intended uses: **PVC membrane for waterproofing of reservoirs, dams and canals (EN 13361:2004+A1:2006; 13362:2005)
PVC membrane for use in the construction of liquid waste disposal sites, transfer station or secondary containment. Exposed application (EN 13492:2004+A1:2006)**

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 13361:2004+A1:2006; 13362:2005
EN 13492:2004+A1:2006**

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

Declared performances:

Essential characteristics	Test method	Performance	Harmonised technical specification
Tensile strenght: - Longitudinal (MD) (N/mm ²) - Transversal (CMD) (N/mm ²)	EN ISO 527-3	> 18,0 (-0,42 N/mm ²) > 18,0 (-0,42 N/mm ²)	EN 13361:2004 + A1:2006 EN 13362:2005
Resistance to static puncture (kN) thickness 1,0 mm thickness 1,1 mm thickness 1,2 mm thickness 1,5 mm thickness 1,8 mm thickness 2,0 mm thickness 3,0 mm	EN ISO 12236	> 1,27 (-0,07 kN) > 1,37 (-0,07 kN) > 1,54 (-0,09 kN) > 1,91 (-0,11 kN) > 2,30 (-0,14 kN) > 2,60 (-0,15 kN) > 3,67 (-0,17 kN)	
Water permeability	EN 14150	< 10⁻⁶m³m⁻²d⁻¹	
Durability: - Oxidation, variation in tensile properties (%) - Environmental stress cracking Weathering, variation in tensile properties after 10500 h (%)	EN 14575 ASTM D 5397 EN 12224	≤ 25 not applicable ≤ 25	

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Resistance to static puncture (kN) thickness 1,2 mm thickness 1,5 mm thickness 1,8 mm thickness 2,0 mm thickness 2,5 mm thickness 3,0 mm	EN ISO 12236	> 1,54 (-0,09 kN) > 1,91 (-0,11 kN) > 2,30 (-0,14 kN) > 2,60 (-0,15 kN) > 3,05 (-0,05 kN) > 3,67 (-0,17 kN)	
Water permeability:	EN 14150	< 10⁻⁶m³m⁻²d⁻¹	
Gas tightness	ASTM D 1434	not applicable	
Durability: - Oxidation, variation in tensile properties (%) - Environmental stress cracking	EN 14575 ASTM D 5397	≤ 25 not applicable	
Weathering, variation in tensile properties (%)	EN 12224	≤ 25	
Dangerous substances	-	None	

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, 27/10/2020

