

DECLARATION OF PERFORMANCE

N° WPSIT0048

Unique identification code of the product-type: **FLAGON SFc
FLAGON SFc Energy Plus (white version)**

Intended uses: **PVC membrane for waterproofing of roofing (EN 13956:2012)**

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 13956:2012**

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

Declared performances:

Essential characteristics	Test method	Performance	Harmonised technical specification
External fire performance	EN 13501-5	F_{ROOF}	EN 13956:2012
Reaction to fire	EN ISO 11925-2 EN 13501-1	E	
Watertightness	EN 1928 met. B	pass	
Tensile properties:			
- Tensile strength (N/5cm)			
thickness 1,2 mm	EN 12311-2 met.A	≥ 650	
thickness 1,5 mm		≥ 700	
thickness 1,8 mm		≥ 800	
thickness 2,0 mm		≥ 900	
thickness 2,4 mm	EN 12311-2 met.A	≥ 1100	
- Elongation (%)		≥ 80	
Resistance to impact (mm)			
thickness 1,2 mm	EN 12691 met. A	≥ 450	
thickness 1,5 mm		≥ 800	
thickness 1,8 mm		≥ 900	
thickness 2,0 mm		≥ 1250	
thickness 2,4 mm		≥ 1500	
Resistance to static loading (kg)	EN 12730	≥ 20	
Tear resistance (N)			
thickness 1,2 mm	EN 12310-2	≥ 150	
thickness 1,5 mm		≥ 170	
thickness 1,8 mm		≥ 180	
thickness 2,0 mm		≥ 200	
thickness 2,4 mm		≥ 220	
Joint strength:			
- Peel resistance (N/50mm)	EN 12316-2	≥ 200	
- Shear resistance (N/5cm)			
thickness 1,2 mm	EN 12317-2	> 520	
thickness 1,5 mm		> 560	
thickness 1,8 mm		> 640	
thickness 2,0 mm		> 720	
thickness 2,4 mm		> 720	
		break out joint	
Foldability at low temperature	EN 495-5	≤ -25°C	
Resistance to root	EN 13948	resistant	
Durability:			
Exposure to UV radiation, elevated temperature and water	EN 1297	grade 0	
Dangerous substances	-	conforms	



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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