



DECLARATION OF PERFORMANCE



No. WPSIT0028

1 – Unique identification code of the product-type:

WPSIT0028

2 - Identification of the construction product as required pursuant to Article 11(4) of Regulation (EU) No. 305/2011:

- **FLAGON EP/PR**
- **FLAGON EP/PR-Energy Plus (white version)**

3 - Intended use or uses of the construction product:

TPO membrane for waterproofing of roofings (EN 13956:2012)

4 – Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5) of Regulation (EU) No. 305/2011:

FLAG S.P.A
Via Industriale dell'Isola, 3
24040 CHIGNOLO D'ISOLA (BG)
www.soprema.it – www.flag-on.com

5 – Name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2) of Regulation (EU) No. 305/2011:

Not applicable

6 – System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V of Regulation (UE) No. 305/2011:

SYSTEM 2+

7 – Case of the declaration of performance concerning a construction product covered by a harmonised standard:

The ofi CERT (Notified Body No. 1085):
- has performed the verification of the system of factory production control according to the system 2+
- has issued the certificate of conformity of the factory production control no. 1085-CPR-0011.

8 – Case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not applicable



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9 – Declared performance:

Essential characteristics	Performance	Test method	Harmonised technical specification
External fire performance	F_{ROOF}	EN 13501-5	EN 13956:2012
Reaction to fire	E	EN ISO 11925-2 EN 13501-1	
Watertightness	pass	EN 1928 met. B	
Tensile properties: - Tensile strength (N/5cm) - Elongation (%)	≥ 1100 ≥ 15	EN 12311-2 met.A EN 12311-2 met.A	
Resistance to impact (mm) thickness 1,2 mm thickness 1,5 mm thickness 1,6 mm thickness 1,8 mm thickness 2,0 mm thickness 2,2 mm thickness 2,4 mm	≥ 450 ≥ 800 ≥ 800 ≥ 900 ≥ 1250 ≥ 1250 ≥ 1500	EN 12691 met. A	
Resistance to static loading (kg)	≥ 20	EN 12730	
Tear resistance (N)	≥ 300	EN 12310-2	
Joint strength: - Peel resistance (N/50mm) - Shear resistance (N/5cm)	≥ 200 > 600 break out joint	EN 12316-2 EN 12317-2	
Foldability at low temperature	≤ -40°C	EN 495-5	
Resistance to root	resistant	EN 13948	
Durability: Exposure to UV radiation, elevated temperature and water	grade 0	EN 1297	
Dangerous substances	conforms	-	

10 – The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Chignolo d'Isola, 10 April 2014
Managing Director, Mr. BROCCANELLO Bruno
Flag S.p.A.

