DECLARATION OF PERFORMANCE (DoP)

Nº DoP: LBM-FP/G-002
04/08/2021
VERSIÓN 04

1. **Unique identification code of the product-type:**
Elastomer modified bitumen sheet with reinforced polyester reinforcement with mineral granules finishing.

2. **Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):**

ESTERDAN PLUS 40/GP ELAST TYPE (SBS/PY)/GR
ESTERDAN PLUS 40/GP ELAST

3. **Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer**

Bitumen reinforced sheet for roof waterproofing.
Bitumen damp proof sheet (A Type) and basement tanking sheet (B Type).

4. **Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):**

DANOSA- POL. IND. SECTOR 9-19290 FONTANAR-GUADALAJARA-ESPAÑA

Tel.: +34 949 88 82 10 - info@danosa.com

5. **Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):**

Not apply

6. **System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:**

2+

7. **In case of the declaration of performance concerning a construction product covered by a harmonised standard: name and identification number of the notified body/ Performance/ under system (1+,1, 2+,3)/nº certificate and date of concession:**

BUREAU VERITAS: 1035
Evaluation of the factory production control
System 2+
Certificate of conformity of the factory production control, number and date: 1035-CPR-ES044104 - 01/08/2015

External fire performance	System 3	AFITI LICOF
Reaction to fire	System 3	AFITI LICOF

8. Declared performance:

Essential characteristics	Performance	Harmonised technical specification
External fire performance	Broof(t1)	**EN 13707:2004+A2:2009; EN 13969:2004; EN 13969:2004/A1:2006**
Reaction to fire	E	
Watertightness 2 kPa (Type A)	Pass	
Watertightness 60 kPa (Type B)	Pass	
Tensile strength:		
Maximum tensile force L*, (N/50 mm)	700 ± 200	
Maximum tensile force T*, (N/50 mm)	450 ± 150	
Elongation at maximum force L*, (%)	45 ± 15	
Elongation at maximum force T*, (%)	45 ± 15	
Resistance to root penetration	Fails	
Resistance to static loading, method A, (kg)	≥15	
Resistance to impact, method A or B, (mm)	≥1000	
Tear resistance, (N)	NPD	
Resistance of joints		
Peel strength (N/50mm)	NPD	
Shear resistance (N/50mm)	450 ± 150	
Thermal durability		
Flow resistance at elevated temperature, (ºC)	100 ± 10	
Flexibility at low temperature, (ºC)	-5 ± 5	
UV, heat and water durability		
Flow resistance at elevated temperature, (ºC)	100 ± 10	
Flexibility at low temperature, (ºC)	-5 ± 5	
Thermal durability		
Watertightness 2 kPa (Type A)	Pass	
Watertightness 60 kPa (Type B)	Pass	
Chemical agents durability		
Watertightness 2 kPa (Type A)	Pass	
Watertightness 60 kPa (Type B)	Pass	
Flexibility at low temperature, (ºC)	≤ -15	
Dangerous substances	NPD	

L* means longitudinal direction, T* means transversal direction

NOTE 1: this product do not contains asbestoses or tar.

NOTE 2: external fire performance is a system test, not a product test.

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

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

10.

Name and function	Place and date of issue	Signature
Adolfo Galán Bituminous Waterproofing Product Manager	Fontanar 04/08/2021