

DECLARATION OF PERFORMANCE (DoP)

Nº DoP: LBM-FPR/G-003

02/02/2017

VERSIÓN 05

1. **Unique identification code of the product-type:**
Elastomer modified bitumen sheet with 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):**
POLYDAN 180-60/GP ELAST TYPE (SBS/PY)/GR
POLYDAN 180-60/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).
Reinforced bitumen sheet for waterproofing of concrete bridge decks and other trafficked areas of concrete.
 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; EN 14695:2010
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)	900 ± 250	
Maximum tensile force T*, (N/50 mm)	650 ± 250	
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 (soft substrate), (kg)	≥20	
Resistance to static loading, method B (rigid substrate), (kg)	≥20	
Resistance to impact, method A (rigid substrate), (mm)	≥1000	
Resistance to impact, method B (soft substrate), (mm)	≥1500	
Tear resistance, (N)	NPD	
Resistance of joints		
Peel strength (N/50mm)	NPD	
Shear resistance (N/50mm)	650 ± 250	
Thermal durability		
Flow resistance at elevated temperature, (°C)	100 ± 10	
Flexibility at low temperature, (°C)	-5 ± 5	
UV, heat and water durability		
Flow resistance at elevated temperature, (°C)	100 ± 10	
Flexibility at low temperature, (°C)	-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, (°C)	≤ -15	
Water absorption, (%)	≤ 1	
Bond strength (concrete), (N/mm ²)	≥0,5	
Crack bridging ability, (°C)	≤ -10	
Resistance to compaction of an asphalt layer	Pass	
Behaviour of bitumen sheets during application of mastic asphalt (%; mm)	≤ -5; ≤ -1	
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
Álvaro González-Posada Delgado Bituminous Waterproofing Product Manager	Fontanar 02/02/2017	