

DECLARATION OF PERFORMANCE (DoP)

Nº DoP: LBM-FP-007

02/02/2017

VERSIÓN 04

1. **Unique identification code of the product-type:**
Elastomer modified bitumen sheet with polyester reinforcement.
 2. **Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):**
ESTERDAN 40 P ELAST TYPE (SBS/PY)
ESTERDAN 40 P 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 (soft substrate), (kg) | ≥15 | |
| Resistance to static loading, method B (rigid substrate), (kg) | ≥15 | |
| Resistance to impact, method A (rigid substrate), (mm) | ≥900 | |
| Resistance to impact, method B (soft substrate), (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, (°C) | 100 ± 10 | |
| Flexibility at low temperature, (°C) | -5 ± 5 | |
| UV, heat and water durability | | |
| Flow resistance at elevated temperature, (°C) | NPD | |
| Flexibility at low temperature, (°C) | NPD | |
| 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 | |
| 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 |  |