



## DECLARATION OF PERFORMANCE (DoP)

N°DoP: LBM-FP/G-001

3/3/2021

VERSIÓN 04

- 1. Unique identification code of the product-type:**  
Polyolefin 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):**  
IMPERPUMA PLUS PY4/G
- 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):**  
GRUPO PUMA SL  
AVDA. AGRUPACIÓN CÓRDOBA, NUM. 17  
14014 CÓRDOBA - CÓRDOBA - ESPAÑA  
Tfno.: +34 901 11 69 12 - Fax: +34 957 44 19 92  
fds@grupopuma.com  
<http://www.grupopuma.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)/n° 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

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### 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) Watertightness 60 kPa (Type B)	Pass Pass	
<b>Tensile strength:</b>		
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	
<b>Resistance of joints</b>		
Peel strength (N/50mm)	NPD	
Shear resistance (N/50mm)	450 ± 150	
<b>Thermal durability</b>		
Flow resistance at elevated temperature, (°C)	120 ± 10	
Flexibility at low temperature, (°C)	-5 ± 5	
<b>UV, heat and water durability</b>		
Flow resistance at elevated temperature, (°C)	Pass	
Flexibility at low temperature, (°C)	Pass	
<b>Thermal durability</b>		
Watertightness 2 kPa (Type A)	Pass	
Watertightness 60 kPa (Type B)	Pass	
<b>Chemical agents durability</b>		
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.



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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. **Date of issue:** 3/03/2021

Director Técnico: José A. Ferre Martínez

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GRUPO PUMA SL  
Avda. AGRUPACION CORDOBA, Núm. 17 14014 CORDOBA

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### IMPERPUMA PLUS PY4/G

EN 13707:2004+A2:2009; EN 13969:2004; EN 13969:2004/A1:2006

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

<b>External fire performance</b>	Broof(t1)
<b>Reaction to fire</b>	E
<b>Watertightness 2 kPa (Type A)</b>	Pass
<b>Watertightness 60 kPa (Type B)</b>	Pass
<b>Tensile strength:</b>	
<b>Maximum tensile force L*, (N/50 mm)</b>	700 ± 200
<b>Maximum tensile force T*, (N/50 mm)</b>	450 ± 150
<b>Elongation at maximum force L*, (%)</b>	45 ± 15
<b>Elongation at maximum force T*, (%)</b>	45 ± 15
<b>Resistance to root penetration</b>	Fails
<b>Resistance to static loading, method A, (kg)</b>	≥15
<b>Resistance to impact, method A or B, (mm)</b>	≥1000
<b>Resistance of joints</b>	
<b>Shear resistance (N/50mm)</b>	450 ± 150
<b>Thermal durability</b>	
<b>Flow resistance at elevated temperature, (°C)</b>	120 ± 10
<b>Flexibility at low temperature, (°C)</b>	-5 ± 5
<b>Thermal durability</b>	
<b>Watertightness 2 kPa (Type A)</b>	Pass
<b>Watertightness 60 kPa (Type B)</b>	Pass
<b>Chemical agents durability</b>	
<b>Watertightness 2 kPa (Type A)</b>	Pass
<b>Watertightness 60 kPa (Type B)</b>	Pass
<b>Flexibility at low temperature, (°C)</b>	≤ -15