

DECLARATION OF PERFORMANCE

POLYSTER®

Date of issue: 2015/10/26

Version: 02

Availability: www.imperialum.com

1. Unique identification code of the product-type:

POLYSTER 30, POLYSTER 40, POLYSTER 50, POLYSTER 40 Garden, POLYSTER 40 T, POLYSTER 50 T Garden, POLYBANDA 33, POLYBANDA 50, POLYSTER R40, POLYSTER R40 T, POLYSTER R50 T Deck, POLYSTER R50 V

2. Intended use/es:

Roof waterproofing (all references mentioned in 1.)

Damp proofing for buildings, including basement tanking (POLYSTER 30 e POLYSTER 40)

Concrete bridge decks and other concrete surfaces trafficable by vehicles (POLYSTER R50 V)

3. Manufacturer:

IMPERALUM – Sociedade Comercial de Revestimentos e Impermeabilizações, S.A. – Zona Industrial do Pau Queimado – Apartado 151 – 2874-908 MONTIJO - PORTUGAL

4. System/s of AVCP:

System 2+

5. Harmonized standard:

EN 13707:2004 + A2:2009 – Reinforced bitumen sheets for roof waterproofing

EN 13969:2008 – Bitumen damp proof sheets including bitumen basement tanking sheets

EN 14695:2011 – Reinforced bitumen sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete

6. Notified body/ies:

CERTIF – Associação para a Certificação (Notified body nº 1328) whom issued the Certificate of Conformity of the factory production control nº 1328-CPR-0173

7. Declared performance:

Essential characteristics	Performance	Units	Harmonized technical specification
Watertightness	Pass ^I	-	EN 13707:2004 + A2:2009 ^I EN 13969:2008 ^{II} EN 14695:2011 ^{III}
Tensile strength: ^{IV}			
Maximum force L	(750±150) ^V	(800±160) ^{VI, XIII}	
Maximum force T	(450±90) ^V	(500±100) ^{VI, XIII}	
Elongation at maximum force L	(35±15) ^V	(35±15) ^{VI, XIII}	
Elongation at maximum force T	(35±15) ^V	(35±15) ^{VI, XIII}	
Flexibility at low temperature	≤ -5 ^I	°C	EN 14695:2011 ^{III}
Dangerous substances ^{VII, VIII}	Complies ^I	-	
Durability after heat exposure, on oven:			
Flow resistance at elevated temperature	(120 ± 10) ^{III, IX, XIII}	°C	
Flexibility at low temperature	(5 ± 5) ^{III, IX, XIII}	°C	
Water absorption	≤ 8 ^{III}	%	EN 14695:2011 ^{III}
Compatibility by heat conditioning	≤ 150 ^{III}	%	
Bond strength	≥ 0,6 ^{III}	N/mm ²	
Crack bridging ability	0 ^{III}	°C	
Compatibility	≤ 150 ^{III}	%	
Shear strength	≥ 0,3 ^{III}	N/mm ²	EN 13707:2004 + A2:2009 ^I EN 13969:2008 ^{II}
Behaviour during application of mastic asphalt	0 ^{III} ≤ 1 ^{III} ≤ 1 ^{III}	% mm -	
Resistance to compaction	Pass ^{III}	-	
Root resistance	Pass ^{X, XIII}	-	
External fire performance	Class B roof (t1) ^I	-	
Reaction to fire	Class E ^I	-	EN 13707:2004 + A2:2009 ^I EN 13969:2008 ^{II}
Resistance to static loading – method A	≥ 900 ^{XI}	mm	
Resistance to static loading	≥ 15 ^I	kg	
Resistance to tearing	≥ 150 ^I	N	
Peel resistance of joints	DND ^I	N/50 mm	
Shear resistance of joints	(600±100) ^{III, XIII, XIV}	N/50 mm	

^I All products mentioned in point 1. of the present Declaration

^{II} POLYSTER 30 and POLYSTER 40

^{III} POLYSTER R50 V

^{IV} L means Longitudinal direction, T means Transversal direction

^V POLYSTER 30, 40, 50, R40 and 40 Garden

^{VI} POLYSTER 40 T, R40 T, R50 T Deck, POLYBANDA 33 and 50

^{VII} These products do not contain asbestos or tar constituents

^{VIII} Since there is no European test method available no performance declaration for leaching can be made

^{IX} POLYSTER R50 T Deck

^X POLYSTER 40 Garden

^{XI} POLYSTER 30

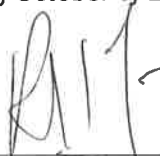
^{XII} POLYSTER 50

^{XIII} POLYSTER 50 T Garden

^{XIV} POLYSTER 40 and R40

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with regulation (EU) Nº 305/2011, under the sole responsibility of the manufacturer identified above.

Montijo, 26th of October of 2015



Rui Silvestre – Chief Executive Officer