


Declaration of Performance PARALON NT4 PLUS

Accompanying Technical Documentation	Declaration of Performance n° 4NP008	
		13 22

1. Unique identification code of the product type: **4NP008**
2. Product Identification:

PARALON NT4 PLUS		
Length, Width: 8x1 (-1%) m	Thickness: 4,00 mm	Reinforcement: Polyester
Finishing TOP/BOTTOM: SAND/TERMOTENE	Installation (*): Mechanical Fixing and Torch	

(*): Storage in vertical position, out of sun and freezing. Stabilise for 24 h at +5°C, prior to use, where otherwise TDS

3. Intended uses:

Harmonised technical spec. EN - BS EN	Intended uses	
13707:2004+A2:2009	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	FLEXIBLE SHEET FOR WATERPROOFING - DEFINITIONS AND CHARACTERISTICS REINFORCED BITUMEN SHEET FOR ROOF WATERPROOFING (*): - SINGLE LAYER - EXPOSED MULTILAYER - TOP LAYER - EXPOSED MULTILAYER - UNDERLAY OR INTERMEDIATE LAYER - UNDER HEAVY PROTECTION - ANTIROOT (*): Refer to our technical assistance service about correct stratigraphy
13859-1:2010	<input type="checkbox"/>	FLEXIBLE SHEETS FOR WATERPROOFING - DEFINITIONS AND CHARACTERISTICS: - UNDERLAY FOR DISCONTINUOUS ROOFING
13969:2009	<input checked="" type="checkbox"/>	FLEXIBLE SHEETS FOR WATERPROOFING - DEFINITIONS AND CHARACTERISTICS: - BITUMEN DAMP PROOF SHEETS INCLUDING TANKING SHEET
13970:2004/A1:2006	<input type="checkbox"/>	FLEXIBLE SHEETS FOR WATERPROOFING - DEFINITIONS AND CHARACTERISTICS: - BITUMEN WATER VAPOUR CONTROL LAYERS
14695:2010+AC:2011	<input checked="" type="checkbox"/>	FLEXIBLE SHEETS FOR WATERPROOFING - DEFINITIONS AND CHARACTERISTICS: REINFORCED BITUMEN SHEET - WATERPROOFING OF CONCRETE BRIDGE DECKS

4. Name of manufacturer: IMPER ITALIA srl, Via Rita Atria 9, 10079 Mappano (TO), Italy
5. Authorised Representative: Moy Materials Ltd, Unit K, South City Business Park, Whitestown Way, Tallaght, Dublin.
6. Systems of assessment and verification of constancy of performance of the construction product:

Harmonised technical spec. EN-BS EN	Systems of assessment and verification of constancy of performance of the product
13707:2004+A2:2009, 13969:2004, 14695:2010+AC:2011	AVCP 2+
13859-1:2010, 13970:2004/A1:2006	AVCP 3

7. In accordance with the above-mentioned AVCP systems, notified bodies/laboratories have performed the initial inspection of the manufacturing plant of factory production control, or the initial type testing provided, and the continuous surveillance, assessment and evaluation of factory production control, and issued the certificate of conformity of the factory production control, or the test reports as described below:

BITUMEN

Harmonised technical spec. EN - BS EN	Notified body	Code	Certificate of conformity/ Test report
13707:2004+A2:2009	BUREAU VERITAS ITALIA	1370	1370 - CPR 0054
	BRITISH BOARD OF AGREMENT	UK0836	UK0836-CPR-22/F6019
13969:2004	BUREAU VERITAS ITALIA	1370	1370 - CPR 0054
	BRITISH BOARD OF AGREMENT	UK0836	UK0836- CPR-22/F6022
14695:2010+AC :2011	BUREAU VERITAS ITALIA	1370	1370 - CPR 0054
	BRITISH BOARD OF AGREMENT	UK0836	UK0836- CPR-22/F6023

8. Declared performance:

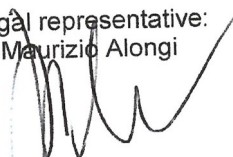
Essential characteristics	U.M.	Tolerances	Performances	Harmonised technical spec. EN - BS EN
External fire performance ⁽¹⁾	Class	-	NPD	EN 13707:2004+A2:2009
Reaction to fire	Class	-	NPD	EN 13707:2004+A2:2009, EN 13969:2004, EN 13859-1:2010, EN 13970:2004/A1:2006
Watertightness	kPa	≥	60	EN 13707:2004+A2:2009, EN 13969:2004, EN 13859-1:2010, EN 13970:2004/A1:2006, EN 14695:2010+AC:2011
Tensile properties L/T	N/50 mm	± 20%	750/650	EN 13707:2004+A2:2009, EN 13969:2004, EN 13859-1:2010, EN 13970:2004/A1:2006, EN 14695:2010+AC:2011
Elongation L/T	%	± 15 abs	50/50	EN 13707:2004+A2:2009, EN 13969:2004, EN 13859-1:2010, EN 13970:2004/A1:2006, EN 14695:2010+AC:2011
Root resistance	-	-	NPD	EN 13707:2004+A2:2009
Resistance to static loading	kg	≥	25	EN 13707:2004+A2:2009, EN 13969:2004
Resistance to impact	mm	≥	1000	EN 13707:2004+A2:2009, EN 13969:2004 EN 13970:2004/A1:2006
Tear resistance L/T	N	± 30%	160/180	EN 13707:2004+A2:2009, EN 13969:2004, EN 13859-1:2010, EN 13970:2004/A1:2006
Joint resistance: - Peel joint - Joint strength	N/5 cm N/5 cm	± 20N ± 20	60 OJB	EN 13707:2004+A2:2009, EN 13969:2004 EN 13707:2004+A2:2009, EN 13969:2004 EN 13970:2004/A1:2006
Cold flexibility	°C	≤	- 20	EN 13707:2004+A2:2009, EN 13969:2004, EN 13859-1:2010, EN 13970:2004/A1:2006
Water vapour properties	μ	≥	20,000	EN 13970:2004/A1:2006
Durability: - Cold flexibility - Flow resistance at elevated temperature - UV resistance - Tensile properties: maximum tensile force L/T - Tensile properties: elongation L/T - Watertightness	°C °C - N/5 cm % kPa	+15 -10 - ± 20% ± 15 abs ≥	≤-15 ≥130 PASS 650/550 45/45 60	EN 13707:2004+A2:2009 EN 13707:2004+A2:2009, EN 14695:2010+AC:2011, EN 14695:2010+AC:2011 EN 13707:2004+A2:2009, EN 14695:2010+AC:2011, EN 14695:2010+AC:2011 EN 13859-1:2010 EN 13707:2004+A2:2009, EN 13859-1:2010
Res. to dynamic water pressure	kPa	≥	500	EN 14695:2010+AC:2011
Capacity to bridge cracks	°C	≤	-10	EN 14695:2010+AC:2011
Water Absorption	%	≤	0.50	EN 14695:2010+AC:2011
Compatibility	%	≥	80	EN 14695:2010+AC:2011
Resistance to heat impact	-	-	Pass	EN 14695:2010+AC:2011
Resistance to compaction	-	-	Pass	EN 14695:2010+AC:2011
Resistance to shear	N/mmq	≥	0.30	EN 14695:2010+AC:2011
Chemical resistance	-	-	NPD	EN 14695:2010+AC:2011
Dangerous substance	Note ⁽²⁾			

- (1) Determination of external fire performance is a system test which can be influenced by system components, thus performance for each individual product cannot be given.
(2) In the absence of European harmonised test methods, verification and declaration on release /content has to be done taking into account National provisions in the place.

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. The declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Mappano,

Legal representative:
Maurizio Alongi



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