

## Declaration of Performance PARALON ARD/HS PLUS

Accompanying Technical Documentation	Declaration of Performance n° 7HSN08	<b>CE UK CA</b>
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1. Unique identification code of the product type: **7HSN08**
2. Product Identification:

<b>PARALON ARD/HS PLUS</b>		
Length, Width: 8x1 (-1%) m	Thickness: 4,00 mm	Reinforcement: Stabilised polyester
Finishing TOP/BOTTOM: MINERAL/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
13707:2013	<input checked="" type="checkbox"/> FLEXIBLE SHEET FOR WATERPROOFING – DEFINITIONS AND CHARACTERISTICS REINFORCED BITUMEN SHEET FOR ROOF WATERPROOFING (*): <input checked="" type="checkbox"/> - SINGLE LAYER <input type="checkbox"/> - EXPOSED MULTILAYER – TOP LAYER <input type="checkbox"/> - EXPOSED MULTILAYER – UNDERLAY OR INTERMEDIATE LAYER <input type="checkbox"/> - UNDER HEAVY PROTECTION <input type="checkbox"/> - ANTIROOT <small>(*): Refer to our technical assistance service about correct stratigraphy</small>
13859-1:2014	<input checked="" type="checkbox"/> FLEXIBLE SHEETS FOR WATERPROOFING – DEFINITIONS AND CHARACTERISTICS: - UNDERLAY FOR DISCONTINUOUS ROOFING
13969:2007	<input type="checkbox"/> FLEXIBLE SHEETS FOR WATERPROOFING - DEFINITIONS AND CHARACTERISTICS: - BITUMEN DAMP PROOF SHEETS INCLUDING TANKING SHEET
13970:2007	<input type="checkbox"/> FLEXIBLE SHEETS FOR WATERPROOFING - DEFINITIONS AND CHARACTERISTICS: - BITUMEN WATER VAPOUR CONTROL LAYERS
14695:2010+AC:2011	<input 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, Columbia Mills, 14/15 Sir John Rogerson's Quay, Dublin 2, D02 E409.
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 AGRÉMENT	UK0836	UK0836-CPR-22/F6019
13859-1:2010	C.S.I. SPA	0497	---

## 8. Declared performance:

Essential characteristics	U.M.	Tolerances	Performances	Harmonised technical spec. EN – BS EN
External fire performance <sup>(1)</sup>	Class	-	B roof (t4) <sup>(3)</sup>	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	Class	≥	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/50 mm %	+15 -10 - ± 20% ± 15 abs	≤-15 ≥130 PASS 650/550 45/45	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 13859-1:2010 EN 13859-1:2010
Chemical resistance	kPa	≥	60	EN 13707:2004+A2:2009, EN 13859-1:2010
Dangerous substance	-	-	NPD	EN 14695:2010+AC:2011

Note <sup>(2)</sup>

(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.

(3) Refer to Moy Materials Ltd for tested systems.

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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