403 HydroBond

Externally Applied Waterproofing Membrane

Revision: 4.5 - 9th April 2024
Code: HB

CE

EN 1504-3:2005

DECLARATION OF PERFORMANCE

According to Annex III of the Regulation (EU) No. 305/2011

1. Unique Identification Codes of the Product Type:

HB and HBGB

2. Intended Use/s:

Flexible sheets for waterproofing - Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheets

3. Manufacturer:

Newton Waterproofing Systems
(a trading name of John Newton & Company Ltd.)
Newton House
17-20 Sovereign Way
Tonbridge
Kent
TN9 1RH
01732 360095
www.newtonwaterproofing.co.uk

4. Authorised Representative:

Not Applicable

5. System/s of AVCP:

System 2+

6a. Harmonised Standard:

EN 13967:2012

NOTIFIED BODY/IES:

MPA Braunschweig, NB: 0761

Kiwa BDA Testing B.V. NB: 1640

6b. European Assessment Document:

Not applicable

EUROPEAN TECHNICAL ASSESSMENT:

Not applicable

TECHNICAL ASSESSMENT BODY:

Not applicable

NOTIFIED BODY/IES:

Not applicable

7. Declared Performance:

Essential characteristics to BS EN 13967:2012	Test Standard & Conditions	Declared performance (see end for abbreviations)	
		HB	unit of measure
5.6 Water tightness	BS EN 1928 Method A Water pressure: 2 kPa Test period: 24 hrs Test climate: EN ISO 291-23/50-2 and BS EN 1928 Method B Water pressure: 400 kPa (4 bar) Test period: 72 hrs Test climate: EN ISO 291-23/50-2	Watertight Watertight	
5.7 Resistance to impact	BS EN 12691	Tight at Drop Heights	
	Method A: substrate aluminium plate	250	mm
	Method B: substrate EPS panel	1,250	mm
5.12.1 Durability against thermal aging Water tightness	BS EN 1296 Storage temperature: 70°C Storage period: 12 weeks BS EN 1928 Method A Water pressure: 2kPa Test period: 24 hrs Test climate: EN ISO 291-23/50-2	Watertight	
5.8.2 Resistance against chemicals Water tightness	BS EN 1847 Storage temperature: 23±2°C Storage period: 28 days Test liquid: Ca $(OH)_2$ BS EN 1928 Method A Water pressure: 2 kPa Test period: 24 hrs Test climate: EN ISO 291-23/50-2	Watertight	

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tech@newtonwaterproofing.co.uk
+44 (0)1732 360 095

Opening Hours:
Monday to Thursday 8:00am - 5:30pm
Friday 8:00am - 5:00pm

5.8 Compatibility with bitumen Water tightness	BS EN 1548 Storage temperature: 70°C Storage period: 28 days Test climate: EN ISO 291-23/50-2 BS EN 1928 Method A Water pressure: 2 kPa Test period: 24 hrs Test climate: EN ISO 291-23/50-2	Watertight	
5.9 Resistance to tearing (nail shank)	BS EN 12310-1 Specimen: 100mm x 200mm v = 100 mm/min Nail spacing: 50 mm Test climate: EN ISO 291-23/50-2 • Lengthwise (along roll / direction of manufacture) • Across (across roll)	Tear propagation resistance (arithmetic mean value, with standard deviation) 466 ±15.7 518 ±20.8	 N N
5.10 Joint strength	BS EN 12317-2 Specimen: 50mm x 360mm v = 100mm/min Free clamping length: 200mm Test climate: EN 291-23/50-2	Shear resistance along glued seam: long edge (arithmetic mean value, with standard deviation) 393 ±9.66 Shearing in the glued edge	N/50mm
5.11 Water vapour permeability	BS EN 1931 Method B Climate: 23-0/75	d: 1.60 g: $6.22/10^{-9}$ s_D: 68	mm kg/(m²/s) m
5.13 Resistance to static loading	BS EN 12730 Method B Substrate: concrete	Imposed load 20kg: tight	
5.14 Tensile properties	BS EN 12311-2 Method A v = 100 mm/min Free clamping length: 120mm Test climate: EN ISO 291-23/50-2 • Lengthwise (along roll / direction of manufacture) • Across (across roll) • Lengthwise (along roll / direction of manufacture) • Across (along roll)	Maximum tensile force (N/50mm) (arithmetic mean value, with standard deviation) 598 ±35.8 893 ±16.9 Elongation at break (arithmetic mean value, with standard deviation) 93.4 ±13.0 104 ±5.26	
5.16 Reaction to fire	BS EN ISO 11925-2 BS EN 13501-1	Class E	

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8. Appropriate Technical Documentation and/or Specific Technical Documentation:

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

Signed for and on behalf of the manufacturer by:

Name: Warren Muschialli - Managing Director

At: Newton Waterproofing Systems
Newton House
17-20 Sovereign Way
Tonbridge
Kent
TN9 1RH

Product	Date
HB	12 February 2014

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Externally Applied Waterproofing Membrane

CE 14 CE 17	JN NEWTON WATERPROOFING	Newton Waterproofing Systems Newton House 17-19 Sovereign Way Tonbridge Kent TN9 1RH	HB	BS EN 13967:2022 0761 & 1640 Flexible sheets for waterproofing. Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheets

Essential characteristics to BS EN 13967:2022	**Test Standard & Conditions**	**Declared performance** (see end for abbreviations)	
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