

System 400

NEWTON 403 HYDROBOND

Externally Applied Waterproofing Membrane

Rev 4.0 - 02 October 2018

PRODUCT CODES: HB & HBGB



EN 13967:2012

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

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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	HBGB	unit of measure
5.6 Water tightness	<p>BS EN 1928 Method A Water pressure: 2 kPa Test period: 24 hrs Test climate: EN ISO 291-23/50-2</p> <p>and</p> <p>BS EN 1928 Method B Water pressure: 400 kPa (4 bar) Test period: 72 hrs Test climate: EN ISO 291-23/50-2</p>	Watertight	Watertight	
5.7 Resistance to impact	<p>BS EN 12691 Method A: substrate aluminium plate</p>	250	250	mm
	<p>Method B: substrate EPS panel</p>	1,250	1,720	mm
5.12.1 Durability against thermal aging	<p>BS EN 1296 Storage temperature: 70°C Storage period: 12 weeks</p>	Watertight	Watertight	
Water tightness	<p>BS EN 1928 Method A Water pressure: 2kPa Test period: 24 hrs Test climate: EN ISO 291-23/50-2</p>			
5.8.2 Resistance against chemicals	<p>BS EN 1847 Storage temperature: 23±2°C Storage period: 28 days Test liquid: Ca (OH)₂</p>	Watertight	Watertight	
Water tightness	<p>BS EN 1928 Method A Water pressure: 2 kPa Test period: 24 hrs Test climate: EN ISO 291-23/50-2</p>			

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5.8 Compatibility with bitumen	BS EN 1548 Storage temperature: 70°C Storage period: 28 days Test climate: EN ISO 291-23/50-2			
Water tightness	BS EN 1928 Method A Water pressure: 2 kPa Test period: 24 hrs Test climate: EN ISO 291-23/50-2	Watertight	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 <ul style="list-style-type: none"> Lengthwise (along roll / direction of manufacture) Across (across roll) 	Tear propagation resistance (arithmetic mean value, with standard deviation)		
		466 ±15.7 518 ±20.8	518 ±8.31 470 ±14.8	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 ±9.66 409 ±14.6 N/50mm Shearing in the glued edge		
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	d: 1.74 g: 6.07/10 ⁻⁹ s _D : >1,000	mm kg/(m ² /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 <ul style="list-style-type: none"> Lengthwise (along roll / direction of manufacture) Across (across roll) <ul style="list-style-type: none"> 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)	
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:

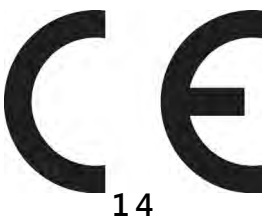


Name: Warren Muschialli - Managing Director

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

Product	Date	Signature
HB	12 February 2014	
HBGB	07 July 2016	

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			Newton Waterproofing Systems Newton House 17-20 Sovereign Way Tonbridge Kent TN9 1RH	HB	BS EN 13967:2012 0761 & 1640 Flexible sheets for waterproofing. Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheets
				HBGB	
Essential characteristics to BS EN 13967:2012	Test Standard & Conditions	Declared performance (see end for abbreviations)			
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		598 ±35.8 893 ±16.9		
		Elongation at break (arithmetic mean value, with standard deviation)		
		93.4 ±13.0 104 ±5.26	57.4 ±3.96 81.7 ±7.79	
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Newton Waterproofing Systems reserve the right to update product literature at any time. Please always refer to our [website](#) for the latest versions.