

HydroBond 410 GeoDrain

Externally Applied Drainage Membrane

Rev 3.1 - 03 June 2024

Code - M18



DOP No: M18/0836CPR/F6840

EN 13252:2016

DECLARATION OF PERFORMANCE

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

1. Unique Identification Code of the Product Type:

M18

2. Intended Use/s:

Geocomposite for applications in the drainage sector S + F + D

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 13252:2016

NOTIFIED BODY/IES:

Notified Body SKZ Testing GmbH (ID 1213) performed the initial inspection of the manufacturing plant and of Factory Production Control (FPC) and the continuous surveillance, assessment and evaluation of FPC and issued the Certificate Of Conformity No. 5804.

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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	Declared performance			Test standard	Harmonised Technical Standard
		Mean value	Tolerance	um		
Geotextile (textile layer)	Tensile strength - MD	9.0	- 1.2	kN/m	EN ISO 10319	EN 13252:2016
	Tensile strength - CDM	9.0	- 1.2	kN/m		
	Dynamic perforation	29	+ 5.8	mm	EN ISO 13433	
	Puncture	1,250	- 0.125	kN	EN ISO 12236	
	Opening size	120	± 36	µm	EN ISO 12956	
	Permeability	50 x 10 ⁻³	- 15 x 10 ⁻³	m/s	EN ISO 11058	
	Durability	To be covered within 2 weeks after installation. Durable for at least 100 years in each natural soil (ph-value between 4 and 9; ground temperature ≤ 25°C)				
Geocomposite (membrane + textile)	Permeability - MD	3.8	± 0.5	l/ms	EN ISO 12958	EN 13252:2016
	Permeability - CMD	3.4	± 0.5			
	Tensile strength - MD	15.5	± 1	kN/m	EN ISO 10319	
	Tensile strength - CMD	16.8	± 1			
	Durability	To be covered within 2 weeks after installation. Durable for at least 50 years in each natural soil (ph-value between 4 and 9; ground temperature ≤ 25°C)				
	Hazardous substances	Less than limited by national regulations.				National regulations valid in the EU member states

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
17-19 Sovereign Way
Tonbridge
Kent
TN9 1RH



On: 12 February 2014

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					Newton Waterproofing Systems Newton House 17-19 Sovereign Way Tonbridge Kent TN9 1RH		M18 EN 13252:2016 1213 Geocomposite for applications in the drainage sector S + F + D	
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Newton Waterproofing Systems reserve the right to update product literature at any time. Please always refer to our [website](https://www.newtonwaterproofing.co.uk) for the latest versions.