

HydroCoat 103 2K

High Performance Liquid Waterproofing Membrane

Revision: 4.2 - 11th January 2022

Code: 103-S



EN 1504-3:2005

DECLARATION OF PERFORMANCE

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

1. Unique Identification Code of the Product Type:

103-S

2. Type, batch or serial number of any other element allowing identification of the construction product:

See batch number and date of manufacture on the packaging

3. Intended Use/es:

EN 1504-2:2004 Surface Protection Systems for Concrete

4. Manufacturer:

Newton Waterproofing Systems
(a trading name of John Newton & Company Ltd.)
Newton House
17-19 Sovereign Way
Tonbridge
Kent
TN9 1RH
01732 360095
www.newtonwaterproofing.co.uk

5. Authorised Representative:

Not Applicable

6. System/s of AVCP:

System 2+

7. Harmonised Standard:

EN 1504-2

NOTIFIED BODY/IES:

Notified Body No. 2797 undertook the initial inspection of type testing, manufacturing plant, factory production control and the continuous surveillance, assessment and evaluation of factory production control under System 2+ and issued Certificate of Conformity of factory production control.

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Reaction to fire has been assessed and determined by type testing carried out by Notified Test Laboratory 0833 under System 3.

8. European Assessment Document:

Not applicable

EUROPEAN TECHNICAL ASSESSMENT:

Not applicable

TECHNICAL ASSESSMENT BODY:

Not applicable

NOTIFIED BODY/IES:

Not applicable

9. Declared Performance:

Essential Characteristics	Declared Performance	Test Standard	Harmonised Technical Standard
Compressive strength	≥ 35 MPa (Class 1 traffic with polyamide wheels)	BS EN 12190	BS EN 1504-2:2004
Permeability to CO ²	Equivalent to 100mm of concrete	BS EN 1062-6	
Permeability to water vapour	$S_D < 5$ m (Class I Permeable to water vapour)	BS EN ISO 7783-2	
Capillary Absorption	$w < 0.1 \text{ kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0.5}$ (Class III)	BS EN 1062-3	
Adhesive bond	≥ 2.0 MPa (Rigid systems with trafficking)	BS EN 1542	
Thermal compatibility	> 2.0 MPa	BS EN 13687-1	
Coefficient of thermal expansion	$\alpha_T \leq 30 \times 10^{-6} \text{ K}^{-1}$	BS EN 1770	
Dangerous Substances	Complies	Clause 5.4	
Reaction to fire	Euroclass A2-s1, d0	BS EN 13501-1	
Chloride ion diffusion	Steady state not reached after 30 years on test	UK method	

10. 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: 05 September 2019

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				Newton Waterproofing Systems Newton House 17-19 Sovereign Way Tonbridge Kent TN9 1RH		103-S EN 1504-2:2004 2797 Surface Protection Systems for Concrete 0833 - Reaction to Fire	
Essential Characteristics		Declared Performance		Test Standard		Harmonised Technical Standard	
Compressive strength		≥ 35 MPa Class 1 (Class 1 traffic with polyamide wheels)		BS EN 12190		BS EN 1504-2:2004	
Permeability to CO ²		Equivalent to 100mm of concrete		BS EN 1062-6			
Permeability to water vapour		S _D < 5m (Class I Permeable to water vapour)		BS EN ISO 7783-2			
Capillary Absorption		< 0.1kg.m ⁻² .h ^{-0.5} (Class III)		BS EN 1062-3			
Adhesive bond		≥ 2.0 MPa (Rigid systems with trafficking)		BS EN 1542			
Thermal compatibility		> 2.0 MPa		BS EN 13687-1			
Coefficient of thermal expansion		α _T ≤ 30 x 10 ⁻⁶ K ⁻¹		BS EN 1770			
Dangerous Substances		Complies		Clause 5.4			
Reaction to fire		Euroclass A2-s1, d0		BS EN 13501-1			
Chloride ion diffusion		Steady state not reached after 30 years on test		UK method			

Newton Waterproofing Systems reserve the right to update product literature at any time. Please always refer to our [website](http://www.newtonwaterproofing.co.uk) for the latest versions.