

System 100

NEWTON 103-S

High Performance Liquid Waterproofing Membrane



Rev 2.0 - 26 August 2015

PRODUCT CODE - 103-S

DOP No: 0086/CPR/618264/2015-26-08

1. Product Name

Newton 103-S

2. Product Type

EN 1504-2:2004 Surface Protection System for Concrete

3. Intended Use

Cement based surface coating for protection against ingress (PIC) rigid trafficked systems.

4. Name, Registered Trade Name

Newton Waterproofing Systems (A trading name of John Newton & Company Ltd)
 Newton House
 17-19 Sovereign Way
 Tonbridge
 Kent
 TN9 1RH
 United Kingdom

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V

System 2+

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

EN 1504-2

The Notified Body 0086 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.

Reaction to fire has been assessed and determined by type testing carried out by notified test laboratory 0833 under System 3.

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued

Not applicable

9. Declared Performance

Essential Characteristics	Performance	Test Standard	EN Standard
Compressive strength	≥ 35 MPa Class I	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	< 0.1kgm ⁻² h ^{-0.5} Class III	BS EN 1062-3	
Adhesive bond	≥ 2.0 MPa	BS EN 1542	
Thermal compatibility	> 2.0 MPa	BS EN 13687-1	
Coefficient of thermal expansion	≤ 30 x 10 ⁻⁶ Pass	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 24 years on test	UK METHOD	

10. Declaration

The performance of this product identified in points 1 and 2 is in conformity with the declared performance in point 9.

The declaration of this performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Name: Warren Muschialli - Managing Director

Date: 26th August 2015

Signature:

