# System 100
# NEWTON 103-S
## High Performance Liquid Waterproofing Membrane

**JN** NEWTON WATERPROOFING®

Rev 4.0 - 05 September 2019

PRODUCT CODE - 103-S

NEWTON SYSTEM 100 – LIQUID WATERPROOFING MEMBRANES

CE

EN 1504-2:2004

# 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 papckaging

### 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
17-20 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 Lof 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. 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 | $S_D$ < 5m (Class I Permeable to water vapour) | BS EN ISO 7783-2 | |
| Capillary Absorption | $w$< 0.1kg.m$^{-2}$.h$^{-0.5}$ (Class III) | BS EN 1062-3 | |
| Adhesive bond | ≥ 2.0 MPa (Rigid systems with trafficing) | BS EN 1542 | |
| Thermal compatibility | > 2.0 MPa | BS EN 13687-1 | |
| Coefficient of thermal expansion | $\alpha_T$≤ 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 | |

## 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
17-20 Sovereign Way
Tonbridge
Kent
TN9 1RH

On:  05 September 2019

**NEWTON SYSTEM 100 – LIQUID WATERPROOFING MEMBRANES**

| CE 1 5 | JN NEWTON WATERPROOFING | Newton Waterproofing Systems Newton House 17-20 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 trafficing) | BS EN 1542 | |
| Thermal compatibility | > 2.0 MPa | BS EN 13687-1 | |
| Coefficient of thermal expansion | $\alpha_T \le 30 \times 10^{-6} K^{-1}$ | BS EN 1770 | |
| Dangerous Substances | Complies | Clause 5.4 | |
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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.