System 900

NEWTON 903-P

Primer

Rev 2.3 - 08 June 2018

PRODUCT CODE - 903-P

PRODUCT OVERVIEW

Newton 903-P is a modified styrene/acrylic copolymer primer for concrete that is applied prior to the installation of Newton's range of high performance cementitious waterproofing membranes, concrete repair and floor coating products, minimising the risk of out-gassing from both internal and external concrete substrate.

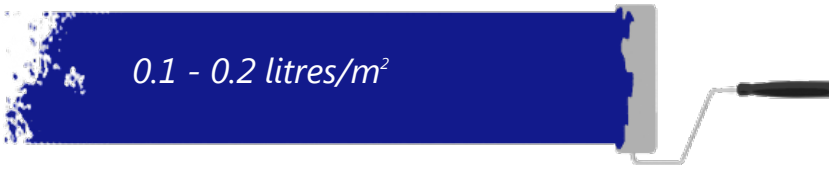
The primer is extremely quick and simple to apply by broom, airless spray, roller or squeegee, Newton 903-P can be applied over new and damp concrete and is soon ready for the application of the Newton membrane above, providing for continuity of work even during the wetter months of the year when most membrane systems cannot be used.

APPLICATION

PACKAGING

Single component within one container

COVERAGE OVER CONCRETE



KEY BENEFITS

- Quick to apply
- Is applied to saturated concrete and so can be applied shortly after heavy rain
- Can be applied to new concrete > 20 N/mm²
- Significantly reduces the risk of pin-holing within the cementitious slurry or coating lowering the incidence of outgassing
- Very quick curing - the membrane or coating can be applied within 40 minutes at 25° C and within 90 minutes at 5° C

TYPICAL APPLICATIONS

Primer for horizontal concrete prior the application of Newton's range of high performance cementitious waterproofing membranes, levelling compounds, concrete repair and floor coating products.

SUITABLE SUBSTRATE

Correctly formed, compacted and prepared concrete of at least 20 N/mm².

METHOD OF APPLICATION

- Squeegee
- Stiff Broom
- Brush
- Roller
- Backpack sprayer

NEWTON SYSTEMS

Newton 903-P is a component of the Newton HydroSeal System for internal 'Type A' waterproofing, the Newton DeckFlex System for the waterproofing of covered decks, the Newton ReSeal System for the repair of concrete and the Newton NewSeal System of exposed coatings to concrete floors.

In all cases, Newton 903-P is applied to the horizontal concrete surface prior to the application of Newton cement based membranes, coating or repair products.

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TECHNICAL DATA

Features	Result	Units
Form – Single component	Low viscosity liquid	
Colour	Pale green	
Specific Gravity	1.02	
Pack size (plastic container)	5	Litres
Weight	5.3	kg
Application rate – Open surface after grinding	0.1 - 0.2	l/m^2
Shelf life	12	Months
Pot life @ 20° C & RH of 40%	N/A	
Application temperature	+5 to +35	°C
Service temperature	-15 to +180	°C
Odour	Slight neutral odour	
VOC content	0	%

Curing*	5° C	10° C	15° C	20° C	25° C	Units
Ready for application over	90	80	60	45	40	Minutes
To not be adulterated by rain**	90	80	60	45	40	Minutes
Open time window for over-coating**	7	7	7	7	7	Days

The above data, even if carried out according to regulated tests are indicative and they may change when specific site conditions vary. *Figures are influenced by humidity also and so are indicative. ** If application of the waterproofing coating does not occur within 7 days, or if the product is adulterated by rain, the primer will need to be removed by grinding.

LIFE EXPECTANCY

The primer is taken up by the surface capillary network of the concrete and then covered by the coating, membrane or repair product and therefore has a life expectancy of the concrete it is applied to or the covering above.

SPECIFICATION

Newton Waterproofing Systems are in partnership with RIBA NBS who publish details of our products and systems within their specification clause library to allow Architects ease of specification through their NBS Plus interface. NBS clauses can be accessed via the technical resources area of the web site where a live NBS Feed is available at NBS Plus Live Feed

Our website has drawings available for download in Technical Drawings. A selection are also available via FastrackCAD, as well as a range of BIM objects on the NBS National BIM Library

ANCILLARY PRODUCTS

There are no ancillary products.

SPECIALIST TOOLS REQUIRED

No specialist tools required. To spray the product, a backpack sprayer is required.

PACKAGING

5 litres.

TRAINING AND COMPETENCY OF THE USER

The application of Newton 903-P requires no special skill sets, but is used within specifications and with products applied over that should be installed by those with experience of structural waterproofing and concrete repair.

It is recommended that Newton 903-P and the products applied over be installed by contractors trained by Newton Waterproofing in the correct use and specification of the product.

APPLICATION RATE

0.1 - 0.2 litres/m^2.

The product must be fully taken into the surface of the concrete. Excess product that does not soak into the concrete must be removed.

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CONSTRUCTION & PREPARATION

In all cases, concrete floors should be ground or sand-blasted to remove laitance.

For further information, please refer to the data sheet of the product to be applied over the Newton 903-P primer.

MIXING

Newton 903-P does not require mixing. Shake the container before use.

APPLICATION

Saturate the horizontal concrete with water. Allow the water to soak into the concrete for 5-10 minutes. Remove all standing water and leave for another 5-10 minutes.

Apply the product onto the concrete surface using the desired method of application. Ensure that the primer is applied evenly. It is better to apply too little product and then apply more as needed, than to apply too much and have to remove.

The primer must soak into the surface of the concrete. Excess product must be removed by brush or squeegee.

POT LIFE & FURTHER USE

Newton 903-P is a single component liquid with low viscosity with no chemical cure and so has no pot life. When some product is unused, simply reseal the packaging and use within shelf life parameters.

DRYING TIMES

For curing/drying times please see Technical Data Table on page 2.

OVER-COATING

The product to be applied over the primer, must be applied within 7 days. If the primer is not over coated after 7 days, the primer will need to be removed by grinding or sand-blasting.

CLEANING

Clean tools with water.

Contaminated water must be disposed of safely and in accordance with local authority regulations for the disposal of waste products. Please refer to product label and product MSDS for further information on safe disposal.

COLOUR

Pale Green

LIMITATIONS

- Do not apply too much primer. The substrate should be discoloured by, not saturated in the primer. Applying too much primer will reduce the bond of the coating to the concrete
- Do not apply prior to heavy rain
- Do not apply at temperatures lower than +5°C or higher than +35°C
- Not suitable for concrete containing wax or fat capillary blocking admixtures
- If adulterated by rain, mechanically remove the primer

STORAGE & SHELF LIFE

Store in dry conditions at temperatures between 5°C and 25°C with containers fully sealed. Do not expose to freezing conditions.

When stored in the correct environment a shelf life of 12 months can be expected.

HEALTH & SAFETY

Use appropriate PPE for the environment the system is installed within. Use products only as stated within the this Data Sheet and the MSDS and Application Guides.

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