System 900

NEWTON 916 FLEXPROOF PRIMER

Primer for 106 FlexProof

Rev 1.0 - 18 April 2018

PRODUCT CODE - 916

PRODUCT OVERVIEW

Newton 916 FlexProof Primer is a polyurethane based primer for the installation of Newton 106 FlexProof that improves the adhesion to porous substrate and should always be used where concrete has been ground to remove surface laitance or where the concrete is slightly dusting.

APPLICATION

PACKAGING

Single component within one container

COVERAGE

KEY BENEFITS

- Increases the adhesion of Newton 106 FlexProof to most substrates
- Seals porous and dusting concrete

SUITABLE SUBSTRATE

- Concrete
- Mortar
- Screed
- Timber
- Natural stone
- Newton liquid waterproofing membranes and coating products

TYPICAL APPLICATIONS

Priming of substrates prior to the application of Newton 106 FlexProof.

METHOD OF APPLICATION

- Brush
- Roller

ASSOCIATED PRODUCTS

Newton 106 FlexProof.

SPECIALIST TOOLS REQUIRED

No specialist tools required.

PACKAGING

5 litres.

COLOUR

Clear.

TRAINING AND COMPETENCY OF THE USER

See the Newton 106 FlexProof Data Sheet.

APPLICATION RATE

0.1 to 0.5 litres/m^2 depending on porosity.

PREPARATION - CONCRETE FLOORS

With both new and existing concrete surfaces, the surface should be ground with floor grinding machines to remove laitance. Vacuum clean after grinding. All surface cracks should be repaired and filled.

In all cases the surface must be clean, and free from dust, laitance, oils, paints or other forms of contamination. Large holes or indentations should be filled with Newton 203-RM.

PREPARATION - SCREEDS

Surface laitance should be removed by light sanding with a suitable pad or disc. All dust must be removed by vacuum.

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Primer for 106 FlexProof

TECHNICAL DATA

Features	Result	Units
Form – Single component	Low viscosity polyurethane liquid	
Colour	Clear	
Specific gravity	0.98	
Pack size (tin)	1	Litres
Weight	1.2	kg
Application rate – Open surface, porous concrete	0.5	l/m^2
Application rate – Non-porous surfaces	0.1	l/m^2
Shelf life	9	Months
Pot life @ 20ºC & RH of 40%	N/A	
Application temperature	+5 to +35	ºC
Service temperature	-15 to +180	ºC
Odour	Slight neutral odour	
Viscosity	50-200	mPa/s
Flash point	27	ºC
VOC content	0	%

Drying*	5°C	10°C	15°C	20°C	25°C	Units
Inter-coat adhesion window	60-90	45-75	30-60	30-60	30-60	Minutes

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.

PREPARATION FOR NON-POROUS SURFACES

Mechanically roughen the surface.

MIXING & STIRRING

Shake the container vigorously before use.

APPLICATION

Apply with roller or brush in a thin film.

POT LIFE & WORKING TIME & RE-USE

Newton 916 FlexProof Primer has unlimited pot life. Working time is dependent on temperature.

When some product is unused, simply reseal the packaging and use within shelf life parameters.

DRYING TIMES

For curing/drying times please see the Technical Data Table above.

OVER-COATING

Application of Newton 106 FlexProof should be within the inter-coat adhesion window confirmed above.

If it is not possible to apply the Newton 106 FlexProof within that window, a mechanical key is required. This can be achieved by lightly abrading the surface of the primer and applying a further coat. Please bear this in mind when planning the project.

CLEANING

Wipe excess product from tools and equipment with a rag and then clean with xylene.

LIMITATIONS

Application of Newton 106 FlexProof should take place within the inter-coat adhesion time of the product as confirmed in the data table above.

For other limitations, please refer to the Newton 106 FlexProof Data Sheet

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 9 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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