

System 800

NEWTON 801-M MASTIC SEALANT

Sealing Mastic

Rev 1.1 - 16 November 2015

PRODUCT CODE - A18

INTRODUCTION

[Newton 801-M Mastic Sealant](#) is a non-toxic, solvent-free, multipurpose and single component silicone sealant, primarily used in conjunction with Newton System 800 Damp Proofing membranes. Applied to the fixing plugs before they are fitted, Newton 801-M Mastic Sealant serves so as to seal the penetration and stop the occurrence of a 'bridge' between the damp or stained substrate and the new internal surface.

Newton 801-M Mastic Sealant has a high resistance to both ageing and extremes of temperature, as well as achieving a high adhesive strength, without primer, on the majority of materials used in the building and engineering industries.



KEY BENEFITS

- Prevents efflorescent salts and staining to the finished surface
- Seals the fixing plug to the membrane
- Obtains a high adhesive strength without a primer
- Applicable to most materials used in the building and engineering industries, including, but not limited to laminated and double glass, aluminium, steel, stainless steel, anodised steel, treated wood, and PVC
- Also compatible with alkali substrates such as concrete and brick
- Applicable in temperatures as high as 150°C and as low as -50°C
- High resistance to ageing
- Non-toxic
- Solvent-free

COLOUR

White.

PACKAGING

25 cartridges of 310ml per box.

TYPICAL APPLICATIONS

- To seal fixing plugs to System 800 membranes, including [Newton 803](#), [Newton 803 Newtonite](#), and [Newton 805 Newlath](#)
- For sealing around service penetrations and protrusions through the substrate/membrane
- As a general, high performance and multipurpose sealant in the building industry

STORAGE

Store in a cool, dry place in the sealed packaging.

LIMITATIONS

- Do not expose to thermal, mechanical or chemical influences until curing is fully completed
- Not suitable for use on structural glazing, mirrors, polyacrylate, polycarbonate, and for sanitary applications
- Not suitable if the cured sealant is to be used as part of a painted surface finish

TOOLS

- Cartridge gun
- Stopping knife (where necessary)

SHELF LIFE

The shelf life is a minimum of 12 months, provided the product is stored in cool and dry conditions between +5°C and +25°C in the original sealed packaging.

Shelf life in opened packaging is limited.

SURFACE PREPARATION

All surfaces should be dry, clean and free from dust or grease. Where necessary, degrease the surface with MEK, alcohol or ethanol.

For general use, it is recommended to carry out preliminary tests in order to determine the suitability of the product for the surface to which it will be applied.

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TECHNICAL DATA

Uncured Sealant	Result		Units
Material	Polysiloxanes		
Colour	White		
Skin forming time (23°C at 50% R.H)	25		Minutes
Vulcanisation rate (23°C at 50% R.H)	2.5 - 3mm every 24 hours		
Density (ISO 1183)	1.36		g/ml
Packaging - Cartridge	310		ml
Shelf life	12		Months
Installation temperature	+5 to +40		°C
Cured Sealant	Result	Units	Test Method
Hardness (Shore A)	20		ISO 868
Elastic recovery	> 90	%	ISO 7389
Deformation capability	25	%	
Modulus at 100% elongation	0.32	N/mm ²	ISO 8339
Elongation at break	350	%	ISO 8339
VOC	< 100	gr/l	
Temperature resistance	-50 to +150	°C	

APPLICATION - FIXING PLUGS

After drilling the pilot holes in preparation for the fixing plugs to be fitted to the membrane and substrate, cut the supplied nozzle to the required bead-size.

Using a cartridge gun, apply the Newton 801-M Mastic Sealant in a ring around the pilot hole which, when the fixing plug is inserted, will form an effective waterproof gasket between the head of the fixing plug and the membrane.

Use Newton 801-M Mastic Sealant only in well ventilated rooms, and ensure good ventilation whilst curing.

APPLICATION - GENERAL SEALANT

Cut the supplied cartridge nozzle to the required bead-size and use a cartridge gun to apply the Newton 801-M Mastic Sealant directly into the recess, joint or penetration. Avoid applying thin layers of sealant, ensuring that any recesses are fully sealed with the product, and that you pay attention to the shape of joints and penetrations in order to achieve a good seal.

Where necessary, use a stopping knife to smooth the surface of the mastic in order to achieve the desired finish.

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CLEANING

Whilst the sealant is uncured, residual product should be removed from tools and surfaces with white spirit or solvent (providing that it will not damage the surface).

Once cured, any undesirable remaining sealant will need to be mechanically removed.

TRAINING AND COMPETENCY OF THE USER

The application of Newton 801-M Mastic Sealant does not require any specialist training or know-how.

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](#)

HEALTH & SAFETY

Use product only as stated within this Technical Data Sheet. Read the MSDS before use.

Newton Waterproofing Systems reserve the right to update product literature at any time. Please always refer to our [website](#) for the latest versions.