

System 800

NEWTON 808-RA

Salt Retarding & Waterproof Render Additive

Rev 1.0 - 6 March 2018

PRODUCT CODE - 808RA

INTRODUCTION

Newton 808-RA is a high-performance, salt-retarding render additive that forms an integral part of the Newton Newtonite Damp Proofing System. The additive is mixed with the gauging water to produce a sand/cement render that is resistant to the movement of water from the still damp wall after the installation of the [Newton 804-DPC](#) injected damp proof course.

Although the Newton 804-DPC damp proof course is functional soon after injection, salts carried up from the ground with the rising damp are still residing within the wall. These salts are hygroscopic, and will continue to attract moisture as the wall dries, giving the illusion of failure of the DPC. To prevent this, rendering with a sand/cement render that includes Newton 808-RA will prevent movement of salts to the decorative finishes of the wall, and will prevent the delamination of the render, which is common to normal renders and plasters that are applied to salt contaminated walls.



KEY BENEFITS

- Waterproof
- Salt-retarding
- Reduced water requirement
- Produces a more workable and plastic mix
- Vapour-permeable
- Chlorine-free
- Very economical - Only 4 litres of Newton 808-RA is required to produce 100 litres of gauging water
- Prolongs the working time of the render mix

TYPICAL APPLICATIONS

- As part of the Newton [Newtonite Damp Proofing System](#) when used in conjunction with Newton 804-DPC, injected damp proof course
- Re-plastering/rendering to damp walls after the application of an injected DPC



ACCREDITATIONS & APPROVALS

Newton 808-RA is supported by BBA Agrément Certificate 18/5497. The Newton Newtonite Damp Proofing System is accepted by the NHBC.

SUITABLE SUBSTRATE

- Brick
- Block
- Stone

COLOUR

Yellow

LIFE EXPECTANCY

When properly specified and installed, the product has a lifespan that is equal to the render it is used within.

ANCILLARY PRODUCTS

There are no ancillary products. Newton 808-RA is a component of the Newton Newtonite Damp Proofing System.

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 website 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](#)

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TECHNICAL DATA

Features	Result
Form	Liquid
Colour	Yellow
Packaging	4 litre plastic container
Specific gravity	1.03
Odour	Characteristic
Shelf life	12 Months
Mixing ratio with water	1:24
Yield - Gauging water / 4 litres	100 litres
Yield - Render / 100 litres of gauging water	350 litres
Application temperature	+5°C to +40°C
Render coat thickness - per coat	12 mm
Render thickness - overall	24 mm

TRAINING & COMPETENCY OF USER

Damp proofing works should be carried out by those with an understanding of dampness and the causes of dampness within buildings. They must have the knowledge and training to use the product as part of a coordinated approach to the damp proofing of the structure, which in many cases will require further Newtonite System products in order to achieve the required dry internal environment.

SPECIALIST TOOLS REQUIRED

No specialist tools are required.

RENDER THICKNESS

- First/scratch coat - 12 mm surface coating, plus 15 mm into the mortar joints
- Second/float coat - 12 mm
- Overall surface coating - 24 mm

PREPARATION

Where the property has been subject to a damp survey and a report produced, please follow the guidance within the report specification. At a minimum, the following preparation is required:

- Remove timber skirtings
- Remove existing plasters and renders back to the substrate to a height that is at least 1000 mm, or a minimum of 500 mm above the last signs of dampness or contaminated plaster/render
- Remove all embedded timbers from the wall and replace with suitable, non-organic alternatives
- Rake out all mortar joints to a depth of 15 mm

MIXING & APPLICATION

Newton Waterproofing Systems supply the full range of [Collomix Mixing Equipment](#) that includes Hand Mixers, Stirrers, Mixing Stands, Buckets, Transport Carts and the Mixer Cleaning Bucket.

Newton 808-RA render can be mixed with the WK stirrer, matched to the Xo 4 Hand Mixer, which is suitable for quantities of up to 65 litres.

FIRST COAT

- Mix one part Newton 808-RA with 24 parts of clean, potable water to produce the gauging water
- Mix the gauging water with 3 parts washed, plastering sand and 1 part of Portland cement
- Use the minimum volume of gauging water as possible, to ensure a dense but still plastic mix. As a guide, no more than 8 litres of gauging water should be used for every 50 kg of dry mix
- Pushing the render firmly and fully into the raked out joints, render to a thickness of 12 mm. Do not over-trowel. When the render achieves its first set, lightly scratch for a key for the float/second coat
- Apply the float/second coat before the scratch coat has set

SECOND COAT

- Newton 808-RA is not required to be added to the gauging water
- Mix a render of 3 parts washed, plastering sand and 1 part of portland cement and apply a render coat of 12 mm
- If a finishing or skim coat is to be applied, very lightly scratch the second/float coat. Alternatively, float the second coat to the desired finish

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CLEANING

Thoroughly clean all tools and equipment with water immediately after use.

DECORATION

No decoration should take place for at least 6 weeks after treatment (or until the wall has dried out).

After this time we recommend that only vapour permeable emulsions are used.

LIMITATIONS

- Do not apply at temperatures lower than +5°C or higher than +40°C
- Always use the correct preparation of the support substrate as directed above

STORAGE

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

If these conditions are maintained and the product packaging is unopened, then a shelf life of up to 12 months can be expected.

HEALTH & SAFETY

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