

System 800

NEWTON 807 BKK ECO

Water Repellent Treatment For Exposed Walls

Rev 2.1 - 13 September 2017

PRODUCT CODE - BKK

INTRODUCTION

Manufactured by Diasen S.R.L. of Sassoferrato, Italy, Newton 807 BKK eco is a transparent, colourless wall coating, water and siloxane based, ideal to protect porous walls of various substrates from wind-driven rain. After treatment, the wall is deeply impervious to water ingress and so better protected against frost damage. The treated wall will continue to dry and vapour drive is not effected due to the coating being very vapour permeable.

The resultant dry wall is much more thermally efficient and will save on heating bills also. Having a low molecular weight, Newton 807 BKK eco penetrates deeply into the substrate, creating an invisible but deep layer of protection that is extremely stable to lime and very permeable to water vapour.

METHODS OF APPLICATION



PACKAGING

COVERAGE



Mortar: 0.2 - 0.3 l/m²
 Stone & Ceramic: 0.3 - 0.7 l/m²
 Lime render: 0.5 - 0.7 l/m²



KEY BENEFITS

- DIY Solution - easy and quick to apply
- Very cost effective
- Long lasting water repellency
- Increased thermal efficiency of the wall
- Permeable to water vapour
- High resistance to weathering and UV
- Does not alter the colour of the wall finish
- Prevents surface efflorescences and moulds
- Solvent-free, non-toxic and odourless
- Non-flammable - No VOCs

COLOUR

Clear.

SPECIALIST TOOLS REQUIRED

No specialist tools are required.

STORAGE

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

TYPICAL APPLICATIONS

- Preventing wind-driven rain ingress to north facing or exposed elevations
- Lime rendered walls
- Water repellent treatment of walls and exposed bricks, natural stone or non-glazed ceramic
- Preventing moisture getting to insulation within cavity walls
- Improving the thermal performance of all wall types

SUITABLE SUBSTRATES & YIELD

- Mortar: 0.2 - 0.3 l/m²
- Natural Stone: 0.3 - 0.7 l/m²
- Lime render: 0.5 - 0.7 l/m²
- Non-glazed ceramic: 0.3 - 0.7 l/m²
- Concrete: 0.3 - 0.7 l/m²

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TECHNICAL DATA

Features	Result	Units	
Yield - Mortar	0.2 - 0.3	l/m ²	
Yield - Natural stone	0.3 - 0.7	l/m ²	
Yield - Lime render	0.5 - 0.7	l/m ²	
Yield - Non-glazed ceramics	0.3 - 0.7	l/m ²	
Yield - Concrete	0.3 - 0.7	l/m ²	
Form	Liquid		
Colour	Clear		
Dilution	Do not dilute		
Application temperature	+5 to +35	°C	
Service temperature	-15 to +40	°C	
Packaging - Plastic bucket	5	Litres	
Shelf life	24	Months	
Pot life	N/A	Months	
Curing	Result	Units	
Ready for next coat (20°C; RH 40%)	60	Minutes	
To not be adulterated by rain (20°C; RH 40%)	4	Hours	
Fully cured (20°C; RH 40%)	4	Hours	
Cured Performance	Result	Units	Test Method
Colour	Clear	N/A	
Vapour permeability (μ)	Highly breathable	7	

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METHOD OF APPLICATION

- Brush
- Roller
- Garden type pressure spray

PACKAGING

5 litre bucket.

APPLICATION GUIDES

Installation sheets that confirm the preparation of the substrate and the application of the product are available for the following applications:

[AG807-1 Application of Newton 807 BKK eco](#)

Application Guides and MSDS can be found under the System 800 section of our website or this hyperlink:

[Newton 807 BKK eco](#)

FURTHER USE

If the container is hermetically sealed using the original lid, the product can be re-used up to 24-months from the date of first use as long as this is within the shelf life.

ANCILLARY PRODUCTS

There are no ancillary products.

TRAINING AND COMPETENCY OF THE USER

The application of Newton 807 BKK eco 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](#)

LIMITATIONS

- Do not apply at temperatures lower than +5°C or higher than +35°C
- Do not apply above 70% RH
- Do not apply in direct sunlight
- Not suitable for horizontal surfaces

HEALTH & SAFETY

Use product only as stated within the Application Guides. Read the MSDS before use.