

System 800

NEWTON 806 CWC

Thermal Paint

Rev 2.0 - 24 August 2015

PRODUCT CODE - CWC

INTRODUCTION

Manufactured by Diasen S.R.L. of Sassoferrato, Italy, Newton 806 CWC is a white thermal coating for cold and poorly insulated surfaces. It contains specific mineral powders which, thanks to their insulating features, warm the surface of the treated wall.

Condensation is formed when warm air, holding water vapour, comes into contact with a cold surface (dew point surface). The air near to the cold surface cools and the cooler air is unable to hold as much water vapour as it was able to when it was warmer. The water vapour that the cooler air is unable to hold is deposited on the adjacent cool surface. The 5°C difference between a surface treated with CWC and one not treated with CWC will, in most cases, take the wall surface temperature to above the dew-point, meaning that the formation of condensation and mould is eliminated.

METHODS OF APPLICATION



PACKAGING



COVERAGE



KEY BENEFITS

- DIY Solution
- Very cost effective
- Quick and easy to apply
- Effective and hygienic solution to black mould
- Can be over-painted with water based emulsions or tinted with standard paint tints
- Solvent free, non-toxic and odourless
- Non-flammable - No VOCs

YIELD

0.5 - 0.7 l/m².

COLOUR

White - but can be tinted to any colour.



PACKAGING

5 litre plastic bucket

TYPICAL APPLICATIONS

Cold internal surfaces affected by condensation and subject to the formation of black mould such as:

- Solid walls
- Pantries and larders
- Bathrooms and shower rooms
- Kitchens
- Elevations exposed to cold winds

STORAGE

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

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TECHNICAL DATA

Features	Result	Units	
Yield	0.5 - 0.7	l/m	
Form	Liquid		
Colour	White		
Application temperature	+5 to +35	°C	
Service temperature	-15 to +40	°C	
Packaging - Plastic bucket	5 or 20	Litres	
Shelf life	12	Months	
Pot life	N/A	Months	
Curing	Result	Units	
Ready for next coat (20°C; RH 40%)	6	Hours	
To not be adulterated by rain (20°C; RH 40%)	N/A	Minutes	
Fully cured (20°C; RH 40%)	6	Hours	
Cured Performance	Result	Units	Test Method
Colour	White	N/A	
Vapour permeability (μ)	Highly breathable	8	

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INSTALLATION GUIDE

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

[AG806-1 Application of Newton 806 CWC](#)

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

[Newton 806 CWC](#)

SUITABLE SUBSTRATES

Correctly prepared internal surfaces of:

- Existing painted surfaces
- Skimmed plasterboard
- Clean brickwork
- Clean block work
- Nonferrous metal
- Render
- Plaster
- Timber
- MDF & Ply
- Glass

FURTHER USE

If the container is hermetically sealed using the original lid, the product can be re-used up to 12-months from the date of first use as long as this is within the shelf life.

ANCILLARY PRODUCTS

There are no ancillary products.

SPECIALIST TOOLS REQUIRED

No specialist tools are required.

METHOD OF APPLICATION

- Brush
- Roller
- Airless Spray

TRAINING AND COMPETENCY OF THE USER

The application of Newton 806 CWC 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 web site has drawings available for download here [Technical Drawings](#) and a selection are also available via [FastrackCAD](#)

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
- Do not apply to outside surfaces
- Do not apply to ferrous metal surfaces

HEALTH & SAFETY

Use product only as stated within the Product Installation 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.

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