

System 800

NEWTON 806 CWC

Thermal Paint

Rev 1.1 - 13 November 2014

Product Code - CWC

PRODUCT OVERVIEW

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, which means that the formation of condensation and mould is eliminated.

METHODS OF APPLICATION



PACKAGING



COVERAGE



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

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.](#)

NEWTON 806 CWC

Thermal Paint

TECHNICAL DATA

Features		Units
Yield	0.5-0.7	l/m ²
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		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	Regulations	Result
Colour		White
Vapour permeability (μ)	8	Highly Breathable

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

STORAGE

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

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

John Newton & Company 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.