

CASE STUDY

# DAMP PROOFING

## Condensation Damp Treatment

CASE STUDY - BASEMENT WATERPROOFING

### TREATING SEVERE CONDENSATION IN A PANTRY

Newton CWC (Cold Wall Coating) Eliminates Condensation on the Internal Walls

#### Project Details

This unheated pantry, just off the kitchen, was suffering from significant condensation. Black mould had formed to the ceiling and upper walls.

#### Methodology

Newton Specialist Basement Contractors Trace Basements decided to treat the walls with Newton CWC (Cold Wall Coating), a thermal paint that increases the surface temperature of the walls it is applied to.

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.

Applying CWC raises the surface temperature by up to 5°C and so raises the surface temperature above the point where condensation can occur.

The walls were thoroughly cleaned with water mixed with bleach to remove all traces of the black mould. Two coats of CWC were applied to complete the treatment.

#### Key Benefits of Newton CWC

- Easy and quick application
- Cheap solution
- Sanitation of living spaces
- Can be painted-over with water based paint
- Chemical-free and non-toxic
- Solvent free

#### Result

The pantry is clean, dry and mould free. Condensation to the walls has been eliminated, and as you can see from the image to the right, condensation is now forming on the glass of the window only

#### NSBC Contractor: Trace Basements



Condensation was causing unsightly damp patches on the walls



Condensation to the walls is eliminated and now only forms on the glass of the window



The pantry is now clean, dry and mould-free

## Condensation Damp Treatment Featured Product

### NEWTON CWC Cold Wall Coating

Anti-Mould and Anti-Condensation Paint For Cold and Poorly Insulated Surfaces

Newton CWC is a white anti-condensation and anti-mould coating. It is latex-based and comprises specific mineral powders which, thanks to their insulating features, keep the surface to which it is applied warmer, eliminating any thermal bridge. There is a +5°C difference between a surface treated with CWC Cold Wall Coating and the one treated with a traditional paint. This extra heat also prevent the air from condensing onto the wall, even if there is a relative humidity inside the room (up to 90%), eliminating the formation of condensation and therefore also mould.

Typical Uses:

- Coat for cold surfaces affected by condensation and mould
- Can be applied to pillars, reinforced cement walls and non-insulated walls to prevent thermal bridges
- For internal use only

Application:

- Slightly wet the surface before applying the product
- Apply a first coat by roller, brush or spray to completely cover the surface with a very thin layer
- Once the first coat is dry, apply a second one
- With severe mould and thermal bridges, apply a third coat

### Newton System 800 Damp Proofing



Newton CWC (Cold Wall Coating)