

## Residential Property

### Treating Severe Condensation in a Pantry

#### The Project

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

#### The Solution

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 cooled 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.

#### The Result

The pantry is clean, dry and mould free. Condensation to the walls has been eliminated, and condensation now only forms on the glass of the window in the pantry. CWC is easy and quick to apply and offers a cheap, chemical-free and non-toxic solution to condensation and black mould.



The pantry was severely affected by condensation.



Black mould coated most of the walls and ceiling.



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## The Products

### CWC COLD WALL COATING

A white anti-condensation and anti-mould coating. It is latex-based and comprises specific mineral powders which, thanks to their insulation 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 and the one treated with traditional paint.



NSBC Trace Basements solved the issue using Newton CWC.



Condensation now only appears on the glass.



Black mould is no longer present on the walls and ceiling.

## Newton Specialist Basement Contractors

Newton recommends that our systems are installed by one of our nationwide network of Newton Specialist Basement Contractors (NSBCs). Trained by Newton, NSBCs offer a full guarantee on the design and installation, and can act as Waterproofing Design Specialists.

