



# Rentokil

The Experts in Property Care

# Masonry Protection Cream

## Rentokil Weather-Protect

### Problem - Wet Masonry

When walls get wet, their thermal resistance lowers and valuable heat escapes. They become less effective at keeping heat in.

The UK government has set a target of an 80% reduction in carbon emissions from buildings by 2050. (Climate Change Act, 2008). Even now, a third of Britain's housing stock has solid wall construction and this is predominantly single skin brick or stone (English House Condition Survey, 2007).

**These types of walls are difficult to insulate conventionally:**

- The installation of cavity wall insulation is not possible
- External insulation can be costly and unattractive
- Internal insulation can be impractical and takes up valuable floor space

**So what's the solution?**

### Solution - Rentokil Weather-Protect

Rentokil Weather-Protect prevents & reduces rain penetration and is scientifically proven to reduce heat loss in single skin masonry, with an energy saving of up to 29%.

One single coat application is all it takes.

### Features & Benefits

**Colourless, breathable, insulating, water-repellent treatment for brick, concrete and stone walls**

**Deeply penetrating cream that is applied to the wall surface using a roller or brush**

**Improves the thermal resistance of masonry by keeping it dry, thereby saving energy**

**BBA approved product**

**Protects against rain penetration**

# Rentokil

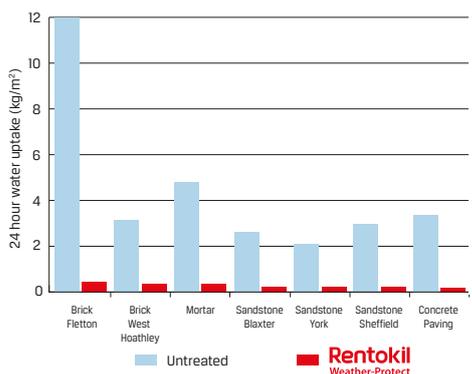
## Weather-Protect

# Masonry Protection Cream

# Rentokil

The Experts in Property Care

### Protecting Against Rain Penetration

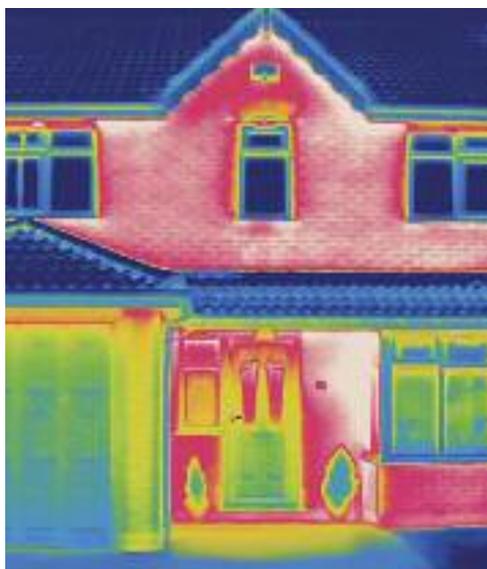


Rentokil Weather-Protect penetrates up to 12mm - much deeper than traditional liquid-applied masonry water repellents.

As well as increasing life expectancy this also improves Rentokil Weather-Protect's crack-bridging ability, as it is able to provide water-repellency beyond the depth of small cracks (less than 3mm wide).

Rentokil Weather-Protect has been tested to EN ISO 15148:2002 (E), demonstrating its effectiveness on a variety of substrates including concrete, mortar, brick, and sandstone. The graph left shows that the water uptake for Rentokil Weather-Protect treated samples was considerably lower than for untreated samples.

### Improving the Thermal Performance of Masonry



Improving the thermal resistance of walls through the use of conventional insulation is not always practical - particularly where older buildings are concerned. Many homes and commercial properties in the UK are built using single-skin walls, making them unsuitable for cavity wall insulation. The installation of internal insulation can be disruptive and takes up valuable living space whilst externally applied insulation is often unattractive.

Fortunately, Rentokil Weather-Protect offers a solution. It is widely documented that porous masonry materials such as brick, stone, concrete, and mortar are worse insulators when they are wet. By preventing the absorption of water, Rentokil Weather-Protect ensures that the insulation properties of the masonry are maximised throughout the year. Tests carried out showed that energy savings of up to 27% are possible when Rentokil Weather-Protect is used on single-skin walls, due to reductions in thermal conductivity. When the effects of reduction in evaporative cooling are taken into account, total energy savings of up to 29% are possible.

### Breathable and Long Lasting

Rentokil Weather-Protect is based on carefully selected silanes and siloxanes which line the pores of the masonry to form a water-repellent silicone matrix. It works by lining the pores rather than blocking them, so excess moisture can escape, the masonry is able to breathe and does not suffer from increased frost damage (spalling).

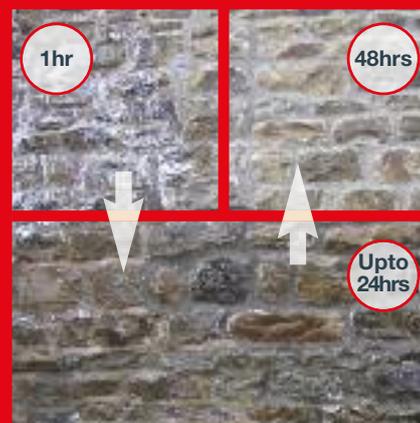
Due to its unique formulation and deep penetration, Rentokil Weather-Protect is resistant to UV light and other forms of degradation, resulting in a life expectancy of 20-30 years.

### Overview

When masonry gets wet, it gets cold... meaning that heat escapes more readily and is likely to create a cold building.

However you can protect your home from penetrating damp and increase the thermal efficiency of masonry with Rentokil Weather-Protect.

With its unique colourless cream formulation, a single coat application will protect brick, stone and concrete from rain penetration for 20-30 years, whilst allowing the masonry to breathe and retain its original looks and features.



For further information on Rentokil Property Care Services

Call 0800 731 2343 Visit [rentokil.co.uk/propertycare](http://rentokil.co.uk/propertycare)