



Technical Data Sheet

ClimaShield - “Anti-Condensation Paint”

Description

“ClimaShield Anti-Condensation Paint” is a thermally modified acrylic copolymer emulsion paint for interior walls and ceilings. It tackles the twin problems of condensation and black spot mould but without compromising on decorative flair. Available in a beautiful range of contemporary colours, “ClimaShield Anti-Condensation Paint” rolls on and brushes out like a premium emulsion to produce an outstanding finish every time. It attacks the problem of mould and condensation in TWO ways by combining micro-bead vacuum technology to reduce condensation with a powerful active film fungicide to arrest further mould growth. “ClimaShield Anti-Condensation Paint” contains millions of glass “micro-beads” which have heat-reflecting qualities to reduce condensate moisture formation. This is especially significant when treating mould because mould commonly derives the moisture it needs to grow from condensation.

Companion / Related Products:

- Climashield “Anti-Mould Paint”

(Refer to these individual product data sheets for detailed application guidance - published on our website www.smartseal.co.uk)

Uses

“ClimaShield Anti-Condensation Paint” is used to control condensation on walls or ceilings and to suppress black spot mould growth. Black spot mould is both unsightly and potentially injurious to human health, as the spores aggravate and, in some cases, trigger respiratory problems such as asthma. It typically occurs in damp, warm environments e.g. bathrooms and kitchens but can occur in any room where there is warm moist air and cold outside walls (typically).

Ideal for properties with little or no wall insulation:

- Isolates persistent “cold spots”
- Reduces the impact of interstitial condensation in homes
- Reduces condensation by up to 96%
- Forms an active-film fungicide to deter further mould infestation
- To improve air quality in rented accommodation and social housing

If in doubt, please call our technical services department on 01268 722500 for guidance.

Limitations

- “ClimaShield Anti-Mould Paint” is not a substitute for adequate ventilation and should not be used in areas where excessive or uncontrolled condensation is allowed to accumulate for long periods.

- “ClimaShield Anti-Mould Paint” is for internal use only.
- Not suitable for heated surfaces such as radiators.

Advantages

“ClimaShield Anti-Mould” raises the temperature of the wall surface in the room by between 0.5 and 1.2 degrees which is usually sufficient to reduce the incidence of localised condensation by up to 96%.

- You only need one paint to control mould and provide a beautiful decorative finish
- High opacity
- No more recurring mould and having to re-decorate every few months
- Kills mould, improves air quality, reduces condensation & saves energy
- Forms an active-film fungicide to deter further infestation
- Beautiful range of inspired colours

Surface Preparation

For best results, ensure that surfaces are clean, dry and free from surface laitance.

1. Clean & Neutralise Mould

Walls and ceilings which are infected with black spot mould should be pre-treated to neutralise the mould:

- a) Applying pre-treatment: remove the lid, hold it upright and squeeze gently measure out 25 ml four times (100ml) and add to 400ml of warm (Not hot or boiling) water.
- b) Wear normal domestic rubber gloves (as you would when using bleach), sponge or wipe onto the affected area. Try to draw the sponge in a single sweep from the outer edge to the centre of the infected area and rinse in the dilute solution each time. This reduces the risk of spreading the spores. Leave for 3 to 4 hours or preferably overnight for full action to develop.
- c) With the same measured solution as above, gently wipe the whole area again to remove any remaining mould residues. Wipe inwards from at least a meter past the edge of the visible infestation to catch concentrations of invisible spores which tend to gather at the periphery of the affected area.

Leave the surface to dry (this should take approximately One hour) and ideally paint within 7 to 10 days of pre-treatment.

Note: Clean any non-mould-related contamination by wiping with a damp cloth and or sugar soap as required. Allow to dry.

2. Repair surface defects

Any surface defects should be filled before painting with a premium plaster filler. All Purpose Filler.

3. Existing Paint “ClimaShield Anti-Condensation

Paint” will cover most existing matt finish emulsions, but care should be exercised with some eggshell, silk and vinyl finish which are typically resistant to over-painting. Such surfaces may be “keyed” with a power orbital sander or some may respond to priming with sealer. Care should be taken when sanding any pre-1960s wood or metal finishes as these may contain harmful lead. **4. Stain Obliteration** In more established infestations mould can permanently stain or blacken the substrate (plaster, timber or paint) and it may be advisable to facilitate subsequent decoration by disguising such staining through the use of a proprietary obliterating primer.

Application

Stir thoroughly before use. Apply a minimum of 2 x coats of “ClimaShield Anti-Condensation Paint” by brush or roller. Additional coats may be required to cover strong background colours. DO NOT apply at air or surface temperatures below + 10 °C or in high humidity.

Product Data for ClimaShield Anti-Condensation Paint

Appearance	Matt finish
Coverage	4 – 6 m ² / litre per coat
Initial Drying Time	1 – 2 Hours @ 20 °C
Re-coat	2 - 4 Hours @ 20 °C
VOC EU limit (Cat: A/a): 30 g /l	Max: 10g /l VOC
Application temperature	+10 °C to +25 °C
Application temperature	+10 °C to +25 °C
Service Temperature	4 °C to +50 °C

PACKAGING/COLOURS Available in 2.5, 5 & 10-litre sizes and an extensive range of colours.

Note: Remember computer screens and printers do not interpret colour consistently so we recommend that you order a tester before making your final colour choice.

STORAGE Store in original packaging in a cool dry place, out of direct sunlight and protect from frost.

Note: Once frost-damaged the product is unusable and cannot be recovered by warming up or any other means.

SHELF LIFE The product has a shelf life of 12 months from the date of manufacture, subject to correct storage conditions.

HEALTH & SAFETY

- When preparing and cleaning the surface wear a face mask (minimum FFP3).
- Wear disposable gloves and overalls during preparation and application.
- Avoid contact with skin and eyes.
- If contact occurs wash immediately with plenty of water.
- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- Always dispose of empty packaging responsibly. The product is non-hazardous in normal use.

Before using this product read the Material Safety Data Sheet which can be obtained at www.smartseal.co.uk or by calling the Smartseal Technical Dept. Tel: 01268 722500

The information given in this product data sheet is given in good faith, based on current knowledge and experience. It relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate as of the date indicated.

All recommendations are made without warranty or guarantee, as to accuracy, reliability or completeness since the conditions of use are beyond our control. It is the user's responsibility to satisfy themselves as to the suitability and application of such information for their own use.