

# Product Data Sheet: ThermalTek

## Product Description

**ThermalTek** is a styrene acrylic copolymer dispersion water based paint, which is thermally insulating and water repelling. **ThermalTek** incorporates Micro-technology in the form of hollow glass beads, with a size of 50um and a crush strength of 500 psi.

The micro, hollow glass beads act like a miniature 'Thermos Flask', reflecting thermal energy away from the walls, preventing the water from condensing. The prevention of moisture forming on walls therefore inhibits mould growth. **ThermalTek** also increases the wall temperature, thus reducing the 'dew point' or the temperature at which condensation occurs.

## Typical Uses

- ✓ Bathrooms
- ✓ Utility Rooms
- ✓ Kitchens
- ✓ Lintels over windows and doors which produce cold spots
- ✓ Cold Walls & Ceilings
- ✓ Industrial applications

## Advantages

- ✓ Warm air is reflected back into the room rather than being absorbed by cold walls, increasing its overall temperature
- ✓ Prevents formation of black mould and other harmful fungi
- ✓ Takes up to 60% longer for condensation to occur on walls
- ✓ Antibacterial properties
- ✓ Can be over painted or wall papered over with any finish, without reducing its effectiveness
- ✓ Suitable for any interior wall - particularly exterior facing walls, bathrooms and kitchens
- ✓ Increase the life of your chosen paint or wallpaper finish

## Properties

Technical Data	
Colour	White
Mixed Density	0.77Kg/ m <sup>3</sup>
Number of Coats Necessary	2
Drying Time	2 - 4 Hours
Minimum Application Temperature	5°C
Maximum Application Temperature	30°C

## Substrate Preparation

Ensure surface is free from mould and fungus using a mould eradication kit. Remove any loose paint or wallpaper, grease and oil stains. Any cracks must be filled using a crack filler and left to set before application can commence.

For coating over plastic or metal, it is advisable to complete a test on the substrate first.

## Mixing

Upon opening the tin, gently stir the medium in order to ensure glass bubbles are evenly spread throughout.

**DO NOT USE** mechanical stirrer as this could damage the glass beads

## Application

**ThermalTek** designed for easy application with either a brush or roller.

Allow 2-4 hours between applications of coats. 2 coat application is necessary.

## Application Conditions

Do not apply **ThermalTek** below 5°C or above 30°C

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### Curing

Allow for 2-4 hours between application of second coat of **ThermalTek** and before applying chosen finish to lock in the treatment.

### Cleaning Equipment

Due to the impact that glass beads can have on the environment, we advise that the equipment used to apply **ThermalTek** is carefully wrapped in a sealed bag and disposed.

The same should be done with the **ThermalTek** container. The items for disposal should be taken to a special waste collection point, in accordance with local, regional, nation and or/international regulation.

### Pack Size & Coverage

Pack Size:

2.5 Litre and 5 Litre

Coverage:

4-5 m<sup>2</sup>/ Litre depending on poroustiy of substrate.

### Storage

Store off the ground and in dry, frost free conditions, between 10°C and 30°C.

### Shelf Life

12 months when unopened, undamaged and stored correctly.

### Health & Safety

For further information and advice please contact the Timberwise Technical Department and consult the Safety Data Sheet which is available upon request.

