



SOLACOAT

TAKES THE HEAT OUT OF THE ENVIRONMENT

www.solacoat.com.au

Technical Data Sheet for:

SOLACOAT HEAT REFLECTIVE ALL-IN-ONE WALL RENDER

Description

Solacoat ALL-IN-ONE Heat Reflective Wall Render Coatings are a new technology, being a water-based coating specifically designed to give a Hard Wearing, Heat Reflective & Water-Resistant Surface, and with Minimal Heat Absorption characteristics to the surface areas in which it is applied to. It is designed as a one-coat application to prepared brick, block work, concrete surfaces where mortar lines are to be obscured. It will Lower Internal Heat Build-Up into the Walls and the Building, lowering Energy costs for an Air-Conditioned building, or increasing Comfort levels for Non-Air-Conditioned Buildings.

Features

- Excellent adhesion to correctly prepared substrates such as Rough Block /Brick & Mortar Walls
- One pack convenience
- Rapid drying
- Water based coating system – environmentally friendly
- May be used indoors or outdoors.
- Solacoat All-In-One Wall Render Heat Reflective & Water-Resistant Coating is available in a range of selected natural stone type colour finishes.
- Low heat absorption characteristics, therefore lower Wall Temperatures & Internal Building Temperatures & surrounding ambient temperature environments.

Surface Preparation

Surfaces must be clean, dry and free of all contamination. Glazed terrazzo, glazed ceramic tiles etc must be grit blasted or rotary disc treated to remove all traces of glazing. Previously coated, smooth or polished concrete must be either grit-blasted, rotary disc ground or thoroughly acid etched in order to provide an acceptable base to permit adhesion for the coating system. The All-In-One Wall Render Coating is Ideal for direct application to Rough Block & Brick & Mortar Walls with little or no surface preparation required, saving time and application costs.

Mixing Instructions

Stir thoroughly until uniform in colour and consistency. Product has a working time of around 10 - 15 minutes.

Application

To Rough Brick & Mortar Surface areas

To the dry prepared surface apply one (1) coat of Solacoat All-In-One Wall Render Coatings Coating by a hopper spray gun having a 4 or 6 mm nozzle or appropriate roller. Ensure that the wet coating is made to fill in the mortar joints particularly where these may be recessed. A continuous coating must be applied in a consistent manner at a spreading rate of 2½ - 3 square metres per litre. The coated area may be troweled off, broom finished etc by a second person working in tandem with the applicator.



SOLACOAT

www.solacoat.com.au

TAKES THE HEAT OUT OF THE ENVIRONMENT

SOLACOAT HEAT REFLECTIVE ALL-IN-ONE WALL RENDER Cont:

NOTE: Do not apply coatings to hot surfaces. Surfaces above 40°C (or where the back of one's hand cannot be rested comfortably on the surfaces for at least 20 seconds) are too hot for coating. Cracking or other coating problems may arise if application is made to hot surfaces or where excessive windy conditions during application and drying occur.

If applying to Old Brick, which have absorbed moisture, it is recommended that you apply our Solacoat CP Primer to seal the Brickwork, prior to applying the All in One Wall Render.

Cleaner

Clean all equipment promptly with water. Stubborn residues may be cleaned with warm soapy water. When cured the residue is difficult to remove.

Coverage

Solacoat All-In-One Wall Render: approximately 2½ - 3m² / litre
Allowance to be made for surface irregularities and application losses.

Drying

Touch dry: Approximately 40 minutes

Heat and Safety Benefits

Areas coated with Solacoat All-In-One Wall Render will be around 5 - 12°C cooler than if traditional coatings or other natural stone, concrete or ceramic tiled surfaces were used in similar situations. This would translate in reducing the surrounding ambient air temperatures by around 3 - 8°C in addition to the Lower Internal Wall Temperature, and with a much-reduced period of time when re-radiated heat into the local environment would occur. This would be of particular benefit to resorts, housing complexes, malls which are open at night or where heat management control of external areas is required etc.

The colour fade resistance of Solacoat All-In-One Wall Render Coatings is around 15 years. Should repairs be necessary, the coating system can be easily "touched up" to affect the necessary maintenance.

Other information

These coatings are designed to be applied by professional or appropriately trained applicators. Strict adherence to instructions must be adhered to at all times. Refer to the Safety Data Sheets for appropriate personal safety equipment requirements.