

## ROCKCOTE Keycote

ROCKCOTE Keycote is a pre-blended polymer modified cement adhesive basecoat, manufactured to exacting specifications from high quality materials, that only requires the addition of clean water and mixing before application. This product can be applied by traditional hawk and trowel methods, bagged on or sprayed on with suitable spray apparatus.

ROCKCOTE Keycote can provide a very strong adhesive bond to difficult substrate surfaces such as smooth masonry & clay block surfaces, properly cleaned & prepared pre-painted surfaces, and to ROCKCOTE specified FCS (fibro cement sheet) and lightweight panel systems, when applied by a skilled tradesperson. Properly cured Keycote exhibits minimal drying shrinkage and is a reliable surface for over-coating with a Rockcote specified coating system.

### PERFORMANCE & PROPERTIES

ROCKCOTE Keycote is manufactured under controlled conditions. Consistent quality is assured.

#### Composition

ROCKCOTE Keycote is composed of high quality, washed, graded sand, Portland cement conforming to Australian Standard 3972 and proprietary additives.

#### Water Resistant

ROCKCOTE Keycote is water repellent, reducing the risk of efflorescence or rising damp.

#### Adhesion

Adheres extremely well to standard and difficult substrates such as correctly prepared pre-painted & textured surfaces, clay bricks, masonry blocks, Hebel blocks & power panel, Off-Form Concrete and lightweight panel systems. (see ROCKCOTE Application Specifications). Some surfaces may still cause unsatisfactory adhesion when over coated, and or not properly prepared (see limitations).

#### Limitations

- Should not be applied over silicone-based painted surfaces, or any surface or system not specified by ROCKCOTE.
- Should only be applied to glossy impervious painted surface when correctly prepared surface has been roughened for a satisfactory key for ROCKCOTE Keycote to adhere.
- Should not be applied in temperatures below 3°C or in very hot and windy conditions or above 30°C.
- Protect from freezing temperatures for 24 hours after application.
- Protect from heavy rain for 8 hours after application.

### SURFACE PREPARATION

ROCKCOTE Keycote should only be used over suitable dimensionally stable substrates or systems, pre-painted or textured substrates and masonry renders.

All surfaces must be clean and free from dirt, dust, oil, grease, silicone or loose materials before application. Refer to application specification "Cement render over painted masonry".

Large hollows and deviations in the surface are first filled and screeded with Rockcote Keycote, prior to the final coat of ROCKCOTE Keycote.

High moisture absorbing surfaces must be wetted with clean water. Do not apply ROCKCOTE Keycote until the wet look has receded and the surface has absorbed the free water.

It is important to mask up all surrounding surfaces before rendering to avoid contact with ROCKCOTE Keycote especially aluminium window frames and glass.

## APPLICATION

For best results, ROCKCOTE Keycote is to be applied to a minimum thickness of 1.4mm, leaving surface suitably keyed to provide optimum adhesion for subsequent coating. Keycote must be cured for a minimum 48 hours before over coating.

The application of ROCKCOTE Keycote is a specialist procedure and should only be carried out by a skilled and experienced applicator in accordance with ROCKCOTE Technical Specifications.

### Acrylic Render & Finishing Coats.

Rockcote Keycote has been specifically formulated without the addition of hydrated lime and is readily over coated with ROCKCOTE acrylic render & texture finishes after 48 hours if properly cured and containing less than 15% WME moisture content.

<b>Pack Size</b>	20 kg bags. Pallet lots are 56x20kg bags.
<b>Activation Mix (by hand operated mechanical stirrer)</b>	For traditional hawk & trowel application, add approximately 20kg of ROCKCOTE Keycote to 4.5 - 5.0 litres of clean cool water and mix for a minimum of 3 minutes. Allow mixture to stand, activate for 5 minutes and adjust consistency by adding a little more water if required. Pot life is approximately 1-2 hours. Do not reactivate the mix with water once the mixture has begun to set. Discard set material.
<b>Wet Film Thickness Per coat</b>	Optimum results are normally achieved by applying 1.4 - 2mm thick for one coat. Application is not recommended in a single coat greater than 6mm thick.
<b>Levelling wet surface</b>	Can be levelled as soon as possible after application with a screed, &/or plastic or polyurethane float in circular motion, to give a flattened surface depending on purpose. Finished appearance is light grey in colour. Finished colour can vary due to curing conditions and finishing technique.
<b>Drying (55% Relative Humidity, 25°C)</b>	Keycote dries in approximately 4 - 8 hours under normal drying conditions. (Dry times vary with changes in temperature and humidity and residual moisture in the substrate).
<b>Curing</b>	Once initial dry set has occurred, rewet 1 - 2 to times a day with clean water for 1 day. This is especially important during hot and/or windy weather.
<b>Clean Up</b>	Clean with water immediately after use if render has not cured. Remove any unwanted misapplication or spatter from surfaces with water as soon as possible and preferably before dry. Recently dried render may be more easily removed with warm water and detergent.
<b>Maintenance</b>	Any identified damage should be repaired as soon as possible. Refer to ROCKCOTE specification on General Maintenance.
<b>Durability</b>	Excellent interior or exterior. Not for use over active chimney flues.

## THEORETICAL COVERAGE RATES

Coating Thickness	m <sup>2</sup> /20kg bag	kg/m <sup>2</sup>
1.4mm	10.0 - 17.0	2.0 - 1.3
4.0mm	2.0 - 2.5	8 - 10

NB: Figures are a guide only. Coverage rates vary according to application technique and substrate preparation.

## STORAGE, SAFETY & HANDLING

### Refer to MSDS for ROCKCOTE Keycote

- ROCKCOTE Keycote must be kept dry during transportation and storage.
- When working with ROCKCOTE Keycote, observe the usual precautions for handling cement-based products.
- Avoid inhalation of the powder, prolonged skin contact and particularly eye contact.
- If contact occurs, flush thoroughly with clean water.
- Wear protective clothing to minimise skin contact and wear goggles where spatter is likely.
- Where spills occur, sweep up dry material or soak up liquid spillage with sand/sawdust and remove to suitable disposal.
- Clean up equipment and area with water. Do not permit run-off to sewer, storm water or open bodies of water.

### Indemnity

ROCKCOTE Enterprises Pty Ltd will not accept responsibility for any misuse of this product or if not applied by a skilled and experienced applicator and in accordance with our technical specifications. Due to our policy of continuing product improvement, ROCKCOTE Enterprises Pty Ltd reserves the right to change these specifications without further notice.

