



Prep Coat Application Guide

DESCRIPTION

Sunstate Sands Prep Coat is a pre-mixed slurry bond coat, containing specifically designed polymer additives, specialised cements and various graded sands and aggregates. Sunstate Sands Prep Coat is specifically designed to ensure a superior bond when applying to new concrete pools and pool renovations.

FEATURES AND BENEFITS

- Pre-mixed. Simply add water.
- Excellent adhesion to concrete pool shells, plasters, pebble and other cementitious substrates.
- Contains specialised blends of fine sands and larger aggregates for high structural strength and a superior mechanical key.
- Addition of specialised polymers enhance chemical bonding, flexibility, density and structural strength.
- Environmentally friendly.

RECOMMENDED SUBSTRATES

- New concrete pool shells.
- Renovated concrete pool shells.
- Cementitious renders, plasters and pebble finishes.

PACKAGING

Sunstate Sands Prep Coat is available in 20kg bags.

PERFORMANCE PROPERTIES

Appearance	Uniform slurry paste
Colour	White
Mixing ratio	5.2 litres of water : 20kg bag
Pot life	30 mins @25°C

COVERAGE RATES

A 20kg bag of Sunstate Sands Prep Coat will cover approx. 10m² of wall area @ 1-2mm thickness.

SUBSTRATE PREPARATION

- Sunstate Sands Prep Coat must be applied to a structurally sound, clean, cementitious substrate.
- Application over previous cementitious render finishes is acceptable provided they form a clean, sound substrate, and are well bonded to the concrete shell.
- All drummy spots and delaminated render must be removed and patched with a cementitious render mix.
- All weepers must be cored and sealed prior.
- Any paint, epoxy or other non-cementitious coatings or membranes must be mechanically removed.
- All surfaces must be clean and free from dirt, grease, oil or other surface contaminants.
- A light acid wash (1 part acid : 9 parts water) is recommended to 'open up' the cement substrate. Followed by a high pressure water blast to remove any surface residue prior to application of Sunstate Sands Prep Coat.

MIXING

- 1 Add 5.2 litres of clean potable water to each 20kg bag of Sunstate Sands Prep Coat.
- 2 Mix for three minutes to allow the additives to activate
- 3 Re-mix render for one minute whilst adjusting consistency with the addition of water or render as required.

PLACING

- 1 Dampen the entire pool shell using a fine mist spray. Continue wetting until water begins to run down the walls.
- 2 Mop up excess surface water. Ensure the walls stay moist throughout the entire process, without excess surface water run off.
- 3 Apply the Sunstate Sands Prep Coat to the prepared substrate.
- 4 Using a stiff broom, brush or stipple gun, evenly spread the slurry mix up the walls and around the floor area to achieve 1-2mm coverage.
- 5 Work the material into the substrate surface to fill voids and eliminate pin holing.
- 6 Ensure full and complete coverage of the entire area to be rendered.
- 7 We recommend that as application progresses, the coating depth be tested at random points with a wet film gauge/comb.
- 8 While still wet, use a stiff broom to cross hatch the surface of Sunstate Sands Prep Coat to create a rough basket weave pattern to provide a good mechanical key.

CLEAN UP

Wash all equipment in water or water/ detergent immediately on completion of application and mixing.

CURING TIME

The top render coat can be applied immediately (wet on wet), OR after a minimum 24 hours drying time. If applying 'wet on wet' do not allow Sunstate Sands Prep Coat to become 'touch dry' or skin over as adhesion will be poor.

The final cementitious render coat must be applied within a maximum of seven days of the Sunstate Sands Prep Coat application to ensure good chemical adhesion.

PRECAUTIONS

- As Sunstate Sands Prep Coat is cementitious, some individuals may experience a skin reaction.
- Discard any material that has exceeded the pot life or working time of the product.
- Do not apply over any substrates that have been previously treated or coated with PVA concrete bonding agents or acrylic coatings.
- These areas must be mechanically removed by grinding or shot blasting to produce a contamination free surface.

STORAGE

Sunstate Sands Prep Coat should be stored in a cool dry environment. Avoid storing in areas of high humidity or excess moisture as this may affect the contents and shorten shelf-life. The product has a shelf life of up to 6 months when stored correctly.

For further information consult the Safety Data Sheet and read the product label carefully before use. Safety Data Sheets are available from www.sunstatesands.com.au or by calling 07 3623 4960.

USER RESPONSIBILITY, PRODUCT SELECTION AND COMPATIBILITY

Sunstate Sands warrant that their manufactured product is free from defects as well as being suitable for the purpose for which it is intended if it has been used and applied in accordance with the most current Technical Data Sheet from Sunstate Sands.

In practice, differences in materials, substrates and actual site conditions require an assessment of product suitability for the intended purpose.

The user is responsible for checking the suitability of products for their intended purpose. The product must also not be mixed or used in combination with any other product which is not a product supplied by Sunstate Sands.