

## DESCRIPTION

Under Tile Render is a pre-blended cement render specifically designed for the preparation of concrete swimming pool shells underneath pool tiles.

Unlike site mixed renders, Under Tile Render requires only the addition of water and includes special additives which offer superior adhesion, increased strength, deformability and long term coating integrity.

Under Tile Render has been rigorously tested to ensure all polymers and additives are suitable for under water applications. (ie. Additives WILL NOT break down, or re-emulsify when under water.)

## FEATURES AND BENEFITS

- Pre-blended for convenience and less on-site mess.
- Easy to work with and apply.
- Includes advanced polymers specifically designed for underwater applications.
- Provides a superior bond between the render and the concrete shell.
- Greatly reduces risk of tiles delaminating.
- Can be feathered to 2mm thickness to quickly even out irregularities in the concrete pool shell.

## PACKAGING

ACS Under Tile Render is available in 20kg bags.

## THEORETICAL COVERAGE

Applied at 6mm thick, one 20kg bag of Under Tile Render will cover approximately 1.5m<sup>2</sup>.

Average Thickness	No. of Coats	m <sup>2</sup> per bag
4mm	1	2m <sup>2</sup>
6mm	1	1.5m <sup>2</sup>
8mm	1 or 2	1m <sup>2</sup>

**Note:** The theoretical coverage is based on a true flat substrate that has no recesses or voids with minimum suction (porosity).

## SUBSTRATE PREPARATION

**Cleaning:** - Ensure all surfaces to be coated are sound, clean, dry, free from dust, oil, release agents, loose material, efflorescence and/or other contaminants. Remove all mortar dags and protrusions and either brush down with a stiff broom or wash/pressure clean substrate as required, prior to the application of render.

**Substrate Hydration:** - It is absolutely critical to correctly hydrate the concrete pool shell prior to the application of render coats, as this limits water loss from the render to the substrate. In turn, it also keeps the water in the freshly applied render (reducing the likelihood of 'plastic shrinkage cracking') and eliminates the need to cure the render after application.

Soak or hydrate the concrete pool shell with clean water until the water beads and runs off the surface. Application of Under Tile Render may commence once the free water has been absorbed into the surface and the 'shine' has gone from the wall.

## MIXING

1. Slowly add Under Tile Render to approximately 3.7-4 litres of clean potable water whilst vigorously stirring with a suitable mechanical mixer (drill and paddle).
2. Mix render for at least three minutes to activate additives.

3. Allow the mixed render to stand for a minimum of five minutes to ensure that the chemical reaction of additives occurs.
4. Remix render for one minute whilst adjusting consistency with the addition of water or render as required.

**Pot life:-** The pot life of mixed Under Tile Render when left in the shade is 2-2.5 hours.

## APPLICATION

Under Tile Render can be applied by trowel or machine in one or multiple coats depending on substrate requirements.

1. Apply Under Tile Render by trowel or pump at a minimum 5mm thickness, then flatten or straighten to the required 'trueness'.
2. When firm, float-finish the render.
3. Allow the render to harden for a minimum of 24 hours prior to the application of tile adhesive and tiles.

## CLEAN UP

Clean all equipment immediately with water.

## PRECAUTIONS

- Under Tile Render should only be applied when weather conditions allow.
- Protect freshly applied render from high winds, freezing and temperatures below 5°C for 48 hours after application. The rendered surface should also be protected from rain for up to 24hrs after application.
- Under Tile Render should only be applied within a temperature range of 5-35°C.

## STORAGE

Under Tile Render should be stored in a cool dry environment on a timber pallet base. 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 12 months when stored correctly.

## HEALTH AND SAFETY

Under Tile Render contains Portland Cement and as such, all due precautions are to be taken when handling cement based products.

For further information consult the **Material Safety Data Sheet** and read the product label carefully before use. **Material Safety Data Sheets** are available by phoning **1800 077 744**.

**Please Note:-** The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexpert or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



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