

Driwall R50 Render

Packaging



Mixing



Application



Uses



Substrates

Concrete,
Brick, Block,
Cement Render
with the addition
of Acrybond,
Blue Board
Cement Sheet

Cement render

Description

Driwall R50 is an economical cement render made from washed blended sand, cement, polymers and additives.

Uses

Apply between 2.5mm-9mm to level/render building surfaces i.e. masonry block, clay brick, rendered walls, stonework, aerated block and off form concrete, that have been suitably prepared.

Features

- Faster and easier to apply than site prepared renders
- Suitable for trowel and machine application
- Suitable for interior and exterior use
- For thicker application and economy, add up to 30% washed plasterers sand

Coverage (Approximate)

7kg per m² for a 2.5mm thickness.

Surface Preparation

The surface to be rendered must be firm, sound and free from dirt, dust, salt spray, waxes, mould oil, paint, laitance, oil, grease and all other contaminants. Holes, raked mortar joints and deviations in the surface must be finished level prior to rendering to mask show through.

Prepare the substrate as follows:

Normal Porous (brick, block, render, cement sheet) Wet down thoroughly with clean water, wipe with a sponge and free water absorbed before proceeding.

Highly Porous (aerated block, limestone) Thoroughly wash with clean water and prime with 50/50 **Kemcrete**/Water primer applied with a hard broom.

Non Porous (off form concrete/dense clay/brick/stone/styrene foam) Apply a splash coat/bonding slurry of **Kemcrete** diluted 50/50 with water then mix with **Driwall R50** to a wet consistency and apply with a hard broom and allow to dry for 24 hours before proceeding.

Mixing

Mix with clean cold water, using 3.6 to 4L per 20kg. Mechanically mix, adding the powder to the liquid using a slow speed drill (approximately 600rpm) and mortar mixing paddle. Mix until an even colour and consistency is obtained and let stand for 5 minutes, remix and adjust mix to the desired consistency. For thicker application and economy, add up to 30% washed plasterers sand. Do not mix more material than can be used in 1 hour, and discard unused material after this time. Do not attempt to retemper set material and do not add additional cement or lime to the mix.

Application

Driwall R50 is to be applied by a competent tradesperson** in accordance with good trade practice and relevant standards. Apply **Driwall R50** to the suitably prepared surface, using a stainless steel trowel and hawk. Apply in 2 passes, the first to apply, the second to level. Allow the surface moisture to stabilize, then use a straight edge to make the surface level and uniform. Float with a wood or polystyrene trowel and finish with vertical or circular strokes or a soft sponge, to obtain the desired finish.

In the following applications i.e. thicknesses less than 2.5mm, in hot dry conditions, as a patching compound, on cement sheet, aerated block, styrene foam, thermally heated walls (chimneys) and when increased durability and flexibility is required, add 1 part **Kemcrete/Acrybond** to 3 parts mixing water before mixing with **Driwall R50**. When applying thicknesses over 10mm but less than 15mm, apply in 2 coats, over a splash coat/bonding slurry and apply the second coat, 50% the thickness of the first.

Set Time

Dries in 8 hours at 25°C and 50% relative humidity. Allow to cure for 3 days before application of textured or masonry coating.

Uniform Finish

To obtain a uniform appearance of **Driwall R50**, ensure that the same production batch and exactly the same mixing, application and finishing techniques are used for each mix. If in doubt about the finish required, a test area is recommended before proceeding. Repair damage sections as soon as possible after detection.

Control Joints

Do not render over expansion/control joints in the substrate and over the damp course. Horizontal control joints should be applied at each floor and vertical joints as required can be placed to coincide with windows, doors and down pipes. Control joints must be provided at changes in substrate i.e. concrete, brick, block cement sheet, styrene foam and as required by the substrate manufacturer, engineering requirements or the building code.

Precautions

Do not apply in temperatures beneath 7°C and over 35°C. Apply in the shade in hot conditions. Protect from rain for 8 hours and cold conditions for 24 hours after application. Mask adjoining windows and glass before applying **Driwall R50**. Do not apply to soaked fibre cement sheet (allow it to dry).

Safety

During mixing and application, avoid inhalation of the powder and contact with eyes and skin (wear protective clothing: mask, gloves and eye protection). Do not let spills or wash down water, get into sewer or storm water system. Dispose of unused material and bags into an approved disposal bin, as required by local codes.

Clean Up

Wash application tools with water before **Driwall R50** has set.

Curing

If **Kemcrete** has not been used in the render mix and conditions are hot and dry, cure the render by mist spraying 2-3 times a day for several days with water.

Storage and Handling

Store in a dry protected environment off the ground.

Shelf Life

Approximately 1 year.

Construction Chemicals guarantees the quality of the product. No warranty is given or implied on the use or colour uniformity of the applied product as this is the responsibility of the applicator. Product will have occasional black carbon spots due to the sand drying process.

***A competent tradesperson is a solid plasterer holding a license for this trade as recognized by the legislative Building Authority.*

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