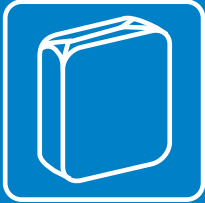


# Dribond Render

**A GLASS FIBRE REINFORCED HIGH PERFORMANCE WATERPROOF RENDER**

## PACKAGING



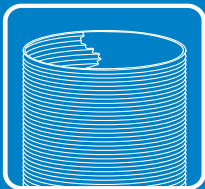
## MIXING



## APPLICATION



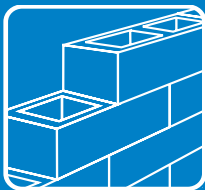
## USES



Waterproof Drinking Tanks



High performance render



Surface render for dry stacked blocks

## SUBSTRATES

CONCRETE  
BRICK  
BLOCK  
CEMENT RENDER  
GALVANISED IRON  
STYRENE FOAM  
PLASTERS MESH

## DESCRIPTION

Dribond Render is a cement and fibre aggregate premix containing alkali resistant glass fibres and waterproofing additives making the product suitable for use as a high performance render. The addition of the alkali resistant glass fibres makes a rendering mix with greatly enhanced performance compared with conventional mortar without fibre.

Dribond Render is produced in two grades:

**Normal** – with extra stick for the handyman and non porous surfaces. (Tank Mix)

**Parchment** – with smooth trowelling properties for the tradesman and porous surfaces. (Plastering Mix)

## USES

Dribond Render is ideally suited for applications requiring waterproofing and/or high impact resistance. Some typical uses are:

- Waterproofing render e.g. tanks, cellars, basements, etc.
- Impact resistant walls on squash courts, jails, psychiatric units, hospitals and schools.
- Hygienic hard wearing coating in the pharmaceutical and food processing industry.
- Apply to expanded plasterers mesh to make light weight maintenance free walls and facades.
- Strengthens weak, unstable, fire affected brick and block walls.
- Surface bonding render for block walls stacked without mortar.

*(A surface bonding, building instruction book is available on request.)*

## FEATURES

Reduced liability to crack and greater resistance to water penetration gives Dribond Render a high degree of impermeability compared to ordinary renders.

Due to the mix formulation and the reinforcing fibre, Dribond Render adheres strongly to clean substrates and the resistance of the hardened render to abrasion and impact is excellent.

**Fire Resistance – Dribond Render is not combustible.**

## COVERAGE

4m<sup>2</sup> per 20kg bag 3mm thick.

## PERFORMANCE DATA

Compression strength BS 4551 28 day 40.00 N/mm<sup>2</sup>

Flexural strength BS 4551 28 day 8.8 N/mm<sup>2</sup>

Water resistance FSTTP-0035 2.5mm thick coat 160kph wind for 8 hours

Water vapour transmission ASTM C-355 (dessicant method) 162 grams/24hr/m<sup>2</sup>

Combustibility ASTM E-136 Non Combustible

Weather Resistance Twin AIC weatherometer no effect after 2,000 hours.

## SPECIFICATION

The render shall be a waterproof, non combustible alkali resistant glass render with a minimum compression strength of 40 N/mm<sup>2</sup> and flexural strength of 8.8 N/mm<sup>2</sup> such as Dribond Render manufactured by Construction Chemicals and shall be applied strictly in accordance with the manufacturers instructions.

## DRIBOND BONDING ADDITIVE

The addition of Bonding Additive to the mixing water is recommended at 1 litre per 20 kg for normal application and 2 litres per 20 kg for severe applications.

## SURFACE PREPARATION

Any local deterioration (cracks, holes, mortar joints etc.) must be made good by cutting out and filling. New concrete walls must be free from mould oil. The surface to be rendered must be sound, clean of oil, dirt, mud, efflorescence and other contaminants. Smooth surfaces must be roughened or acid etched. Porous surfaces must be wet thoroughly.

## MIXING

- Mix in a wheel barrow using a hoe or similar as a mixing tool.
- Place 4 litres of water/1 litre of Bonding Additive in a barrow and progressively add 20 kg of Dribond Render mixing to a thick creamy consistency.



- Avoid over mixing as this will break down the fibres making the mixture lumpy and difficult to apply.
- More water can be added up to 30 minutes after mixing to adjust the mix to workers preference.
- Discard unused material after 1 hour.

## APPLICATION

Apply the Dribond Render using the same techniques as that adopted for normal rendering. Apply the Dribond Render 3mm thick. To eliminate show-through from the substrate two 3 mm coats are recommended. The second coat should be applied while the first is green – that is within 24



hours. The use of Bonding Additive is recommended. Apply when temperatures are between 5°-30°C, using upward diagonal strokes. Apply firmly but avoid excessive pressure. Avoid stops or cold joints in the centre of the wall by planning work to stop at natural stopping points, i.e. wall columns, tops, intersections and expansion joints.

## FINISHING

Finish Dribond Render in a similar manner to normal renders. To hide show-through from the substrate textured finishes are recommended or two coats where a smooth finish is required.



**Smooth finish** is obtained with a normal plasterers trowel by trowelling to a semi-smooth finish initially then retrowel with a clean wet trowel while the render is still wet on the surface.

A stainless steel trowel should be used to reduce the risk of metallic blemishes.

Over-trowelling may lead to fine hair-crazing of the surface. Trowelling a surface which has lost its moisture will result in dark trowel burns forming on the dry areas. Should this occur, the affected area should be immediately dampened, rubbed with a wood float and carefully retrowelled.



A **stucco finish** is achieved by applying more than 3 mm in a sweeping motion.



A **stippled effect** is achieved by imprinting a semi-smooth finish with a masons float or textured roller.



A **swirled finish** is achieved by imprinting the semi-smooth finish with a hard bristled brush.

Mix sufficient Dribond Render to complete each section with one mix to avoid cold joint lines. Finishing time is extended by application to the shaded side of the wall. Finish the render while the surface is wet.

Dribond Render can be painted using masonry paints (eg Elastakote, Roltex, Ultraseal) that are resistant to alkaline substrate. Paints that cure initially on the surface and rely on the substrate to absorb the remaining solvent are not suitable.

## CURING

Mist spray the surface 3-4 times daily for 3 days and repeat more frequently in hot windy conditions.

Dribond Render mixed with Bonding Additive does not require curing. Protect the surface from rain for the first 3 days.

## LIMITATIONS

Dribond Render like any cement based product is susceptible to staining from timber, clay and dirt and careful work practices should be followed or protect the surface to avoid staining.

Do not use structurally in areas that maintain high temperatures (80°C plus) and high humidity (80%).

## COLOUR VARIATION

The appearance of any cement based coating can vary depending on many factors. Some obvious variables are suction or porosity of the substrate, workmanship, rate of cure, water/cement ratio, weather conditions etc.

In order to achieve the best appearance, experienced applicators should be employed.

Some tips to minimise colour variations are:

1. Accurately measure mixing water using the same amount in each batch.
2. Avoid application during extremes in temperature and apply to the wall when shaded and in cooler conditions.
3. Two coats are recommended to minimise variation in colour, applying the second coat an hour after the first.
4. Avoid finishes that require using wet sponges or splashing with water.

## SAFETY

Glass fibre can cause skin irritation and cement when wet can dry and burn the skin. Therefore, it is advisable to wear gloves and goggles when applying Dribond Render. Wash away thoroughly any wet render in contact with the skin.

## SHELF LIFE

One year, when stored unopened on pallets in a dry area protected from moisture.

**CONSTRUCTION  
CHEMICALS**

● **ADELAIDE** 467 - 469 SOUTH RD REGENCY PARK 5010 PH: (08) 8346 8013 FAX: (08) 8340 2052  
● **BRISBANE** 45 COULSON ST WACOL 4076 PH: (07) 3271 2944 FAX: (07) 3271 3892  
● **MELBOURNE** 11 GABRIELLE CT BAYSWATER NORTH 3153 PH: (03) 9761 4711 FAX: (03) 9761 4748  
● **PERTH** 11 COLLIE RD WELSHPOOL 6106 PH: (08) 9356 9999 FAX: (08) 9356 9955  
● **SYDNEY** 31 NEWTON RD WETHERILL PARK 2164 PH: (02) 9756 3533 FAX: (02) 9756 3534  
● **AUCKLAND** 16 CARPENTER RD EAST TAMAKI PH: (09) 273 5444 FAX: 0800 266 236  
● **KUALA LUMPUR** LOT 2 JALAN KECABI 33/2 ELITE INDUSTRIAL ESTATE OFF JALAN BUKIT KEMUNING 40000 SHAH ALAM PH: (603) 5122 2522 FAX: (603) 5122 2526