

TECHNICAL DATA SHEET

WATERPROOF RENDER

A high adhesion polymer modified cementitious render coat

DESCRIPTION

Rockbond Waterproof Render (RB1.12F) is a blend of special cement powders, graded sands and a collection of admixtures, that when mixed with water produces a render that is easily applied by trowel or spray.

Waterproof Render is highly adhesive, flexible, waterproof and durable, and provides a protective and attractive coating to brick, block and concrete. This render coat is used extensively in the repair of heritage buildings, and a wide range of other applications including marine structures, sea walls, water tanks and bridge repairs. 1.12F provides a breathable, but waterproof rendered finish to the external walls of houses and commercial buildings. It can be pump/spray applied where large enough volumes permit. 1.12F Waterproof Render is supplied in 20kg pails or bags.



SPECIAL PROPERTIES

- Can be pumped/sprayed and or hand placed
- High adhesion >1.5MPa
- Non-shrink, non-cracking and shrinkage compensated.
- Can be placed from 25 mm to a feather edge.
- High flexibility
- Waterproof from time of initial set
- Suitable for potable water applications
- Non-toxic
- Ideal for repairs to older, lower strength concrete.
- Suitable for rendering brick & block structures
- Can be mixed with oxides for colour tinting

USES

- Can be pumped/sprayed and or hand placed
- High adhesion >1.5MPa
- Non-shrink, non-cracking and shrinkage compensated.
- Can be placed from 25 mm to a feather edge.
- High flexibility
- To render concrete, brickwork, blockwork, masonry and stone.
- To repair and protect weak or damaged concrete or brick surfaces.
- Bridge repairs
- Projects that come into contact with water.
- Marine structure repairs.
- Seawall repairs.
- To produce weatherproof and durable coatings to external walls of offices, factories, warehouses and buildings.
- To produce attractive and aesthetically pleasing finishes to houses, buildings and concrete structures.
- Water tank and reservoir lining.

MIXING INSTRUCTIONS

Waterproof Render (1.12F) should be mixed thoroughly, and evenly with 135mls : 1kg of product with clean potable water. Water ratio can be adjusted slightly to achieve the consistency required for the particular work being carried out.

The ambient temperature affects the curing time of Waterproof Render. It is best applied in temperatures ranging between 7°C and 25°C.

The water content will also affect the curing time. Note: It is important that Waterproof Render is mixed for a good 2-3 minutes with a high speed mixer to ensure that all additives have fully activated, and the best result is achieved.

PACKAGING

The product is packaged in 20kg bags and pails and has a shelf life of 2 years.

TECHNICAL DATA

MPa	22.5	27
Time	7 days	28 days

Meets NZ Standards 4210:1989

Yield per 20kg at 13.5% water – 9.6 Litres

APPLICATION PROCEDURE

Break out all spalled, loose and contaminated concrete until good, sound concrete is exposed. Thoroughly and completely abrade the concrete to produce a sound substrate with a good mechanical key.

Remove all corrosion and contamination from the surface of the steel. Severely corroded reinforcement should be cut back and replaced.

Immediately before the application of the repair material, thoroughly wash and soak the concrete substrate. Remove any standing water and keep the substrate free of contamination. In situations where there is a high degree of chemical attack apply Rockbond Primer for Steel (RB 1.00) to the steel reinforcing.

Latex priming is not generally required with 1.12F Waterproof Render. However, if there is a need to consolidate and seal the concrete substrate, apply Rockbond Latex Concentrate (RB7.15). Brush the latex completely and evenly over the concrete, working the latex well into the substrate where necessary. Let the latex dry out, usually 15 to 30 minutes depending on conditions.

Mix the render well with an electric or battery powered drill at a good speed, for a good 2-3 minutes per mix.

Compact and build up the render to the profile of the surrounding concrete, or the desired thickness, and produce a cover of not less than 20mm in front of the steel reinforcing. For areas where there is no exposed steel, render thickness can range from 25mm down to feather edge. Use a steel float to produce an attractive finish.

HEALTH AND SAFETY

1.12F Waterproof Render is non toxic and safe to use. However, use the same precautions as with any cementitious products, wear goggles, protective clothing and a dust mask while mixing and applying the material.

TECHNICAL INFORMATION

Where waterproofing is critical, talk to our Technical Sales Team first: +64 4 568 5401