

DESCRIPTION

Premium, polymer modified, one-component mix with water base coat pool render system for application thickness from 2mm to 20mm in a single coat.

Recommended over concrete, cement render, blockwork & masonry, WP-1 Pink, EP-2 as well as other ACT Australia approved waterproofing membranes.

RDR-20 is suitable for rendering internal surfaces of concrete swimming pools, blockwork & masonry walls, or rendered surfaces as a base coat for tiling over or installation of other suitable pool interior finishes.

COVERAGE

20kg of mixed **RDR-20** will cover approximately **1.2m²** at 10mm thickness on a good flat substrate. Coverage will vary depending on condition of substrate.

FEATURES & BENEFITS

- Polymer Modified
- High Strength
- Extended Open Time & Pot Life
- Superior Workability
- Infused Primer Technology (IPT)
- Hydrate curing
- Water washable
- Silica Safe Technology
- Low Odour
- Low VOC

SUITABLE FOR

- Base coat for concrete pools prior to the application of suitable pool interior finishes
- Applications from 2mm-20mm
- Concrete
- Blockwork & Masonry
- Rendered surfaces
- ACT WP-1 Pink & EP-2
- ACT Australia approved under-tile waterproofing membranes

POT LIFE & SETTING TIME

Pot Life - 30 minutes at 23°C and 50% RH.
Initial Set - 2hrs at 23°C and 50% RH.
Tiling/Other Finishes - min 48 hours at 23°C and 50% RH

SHELF LIFE

In unopened original packaging for up to 12mths when stored in a cool, dry environment off the floor.

SUBSTRATE PREPARATION

- All substrates must be clean, dry, free from dust, wax, oil, grease, laitance, curing compounds, paints (inc overspray), coatings and all contaminants which may cause adhesion failure.
- Concrete should be cured for 28 days before render application.
- Dry & porous cement and blockwork substrates should be sponged down with clean water to remove dust and prolong workability time of render.
- When applying over **WP-1 PINK** or other **ACT Australia** approved waterproofing membranes, ensure the membranes are fully cured prior to rendering.
- When applying over ACT **EP-2** membrane, the render must be applied within 24 hours after the last coat of EP-2. Read application instructions on the EP-2 buckets or PDS.
- Ensure all dust is removed prior to spreading render.
- If in doubt with any of above please contact **ACT Australia Technical Services**.

PRIMING

In normal circumstances, no priming is required as **RDR-20** has unique Infused Primer Technology (IPT). To test substrate sponge liberal amounts of water onto the substrate and ensure water absorption is taking place. If so, then only sponge down with clean water and wait for the water shine to leave the substrate surface prior to application of render.

Porous concrete will require priming with ACT **PR-2 Green** primer.

MIXING

20kg of **RDR-20** powder will require approximately **3.2 litres** of clean drinking water. Slowly add **RDR-20** powder into a clean bucket with the measured water. Slowly mix with a quality drill & mixing paddle to ensure a smooth, lump free tooth paste consistency. Leave the mix for 2 minutes then re-stir. The render is now ready for use.

APPLICATION

RDR-20 is suitable for both manual application and application through most render spray pumps.

For manual application apply evenly over the substrate.

Open time for finishing is approximately 30 mins at 23°C. Ensure minimum thickness of 2mm is achieved. Ensure to work the render to the substrate for good adhesion. Do not use in temperatures below 5°C and greater than 34°C.

All workmanship must be in accordance with relevant Australian Standards and best industry practices.

CLEAN UP

RDR-20 residue should be removed from the surfaces using a clean damp sponge while the render is wet. Tools and equipment should be scrubbed clean with water while the render is still wet.

DRYING

Initial setting occurs in **2 hours** at 23°C and 50%RH. Allow minimum **48 hours** for the render to cure and set prior to application of tiles or other finishes. For impervious substrates such as waterproofing membranes, further curing time may be required depending site conditions and ambient temperatures.

During drying and curing period, it may be required to periodically spray the surface with water to ensure satisfactory final render hardness. This is particularly important for lower render thickness and/or application in higher ambient temperatures or windy conditions.

SAFETY DIRECTIONS

ACT Australia supports best practice in material handling. Appropriate gloves, dust masks, safety glasses and protective clothing should be worn. If product comes in contact with skin, wash off with soapy water. Avoid inhaling dust by wearing appropriate dust mask. If swallowed, drink plenty of drinkable water and seek medical advice. In case of contact with the eyes, rinse with clean water or eye wash solution and seek medical advice.

LIMITATIONS

- Not suitable for application thickness below 2mm and above 20mm.
- Not suitable for applying directly over 100% polyurethane or fibreglass waterproofing membranes.
- Not suitable for application as a decorative finish or as a finishing coat for painting directly over render.
- Do not use in temperatures below 5°C and greater than 34°C.
- Do not use when rain is expected within 24 hours from application.
- If in doubt, contact **ACT Australia Technical Services** for further information and advice.

