

RENDERTEK SOLID - TECHNICAL DATA SHEET

GENERAL DESCRIPTION

- o RenderTek Solid is a high quality pre-blended, cementitious rendering and screeding material specifically designed for rendering in one or more applications of minimum 8mm over solid substrates – AAC panel and Block, Concrete and Clay substrates.
- o Suitable for interior or exterior use.

PRODUCT CHARACTERISTICS

- o Applies with exceptional ease to provide a base coat for the application of mesh reinforcement and finishing plasters.
- o Can be applied between 8 - 15mm thicknesses in one application.
- o Superior application properties when compared to conventional sand and cement render.
- o Easy to apply and being pumpable can offer economies in time and labour
- o **Surface Dry** Six (6) hours.
- o **Recoat** Twenty four (24) hours, if required

BASIC PRODUCT DATA

- o **Fully Cured** Seven (7) days

All figures are quoted at 25°C and 50% Relative Humidity. Drying will take longer at lower temperatures or higher relative humidity.

- o **Consistency** Dry powder – Grey
- o **Texture** Grainy
- o **Dry Material Volume** 1.420 kg per litre by volume
- o **Ideal Water Content** 20-22% by weight volume { = 3.5 – 4.5 litres per 20kg bag } or as required to achieve a workable mix.
- o **Pot-Life*** 60 minutes when mixed with water (*climate conditions dependant)
- o **Coverage per coat** 1.2-1.5m² per 20kg bag at 8-10mm thickness
- o **Product Parameters** min. 8mm max 15mm application in a single coat.
- o **Clean-up** Thoroughly clean equipment with water.
- o RenderTek Solid is suitable for application to Autoclaved Aerated Concrete (AAC) blocks or panels, off-form concrete and any other fair-faced, flush and straight laid concrete block or brickwork (common, clay).

SUBSTRATE, APPLICATION CONDITIONS AND TEMPERATURE

- o Surface Preparation is the responsibility of the Builder, Renovator or Main Contractor and the Applicator. To achieve the indicated performance, application must be carried out according to the manufacturer's specifications recommendations.
- o Ensure the surface is clean and dry. All substrates must be free of dirt, grease, oil, mould, release agents, bondbreakers or any other contaminants that may interfere with adhesion.
- o **Note:** To extend the workable wall time of this material over Porous substrates, wetting of the wall may be required as stated by the substrate manufacturer.
- o Application **should not** be carried out if the air temperature or the substrate temperature is below 5°C or above 35°C. Freshly applied material must be protected from rain, prevailing winds and frost conditions for the first 24 hours following application.
- o **Note:** Should application be carried out in lower temperatures marginally above the recommended 5°C minimum, increased drying and curing times must be expected for over coating.

MIXING AND APPLICATION INSTRUCTIONS

- o **Application of 8mm and greater than 8mm thickness**
- o Mix one 20 kg bag of RenderTek Solid with the required amount of water. Add the powder to the water steadily and mix with a power stirrer until it is smooth and lump free. Alternatively use an M-Tec D20 or similar to mix the material.
- o Trowel or pump one coat of RenderTek Solid render at 8-10mm film thickness, trowelling in the glass fibre mesh reinforcement into the uppermost surface of the base coat. A period of up to 12 hours must be allowed for the material to dry.
- o Apply a second coat of RenderTek Solid at 2-3mm over the preceding coat and using a plastic float or butterfly work this coat until a flat even surface is achieved in preparation for a texture.
- o **Curing**
- o Do not allow the applied product to be in exposed conditions for the first 12 hours to ensure full curing strength is developed. This is critical in windy conditions or when humidity is low.
- o Allow to fully cure for 7 days or when moisture content is no greater than 15% wood equivalent before top coating.

SAFETY DATA

- o **Caution** Provide adequate ventilation during use.
 - Avoid inhalation of the powder, prolonged skin contact and particularly eye contact. Wear protective clothing to minimise skin contact and wear goggles where splatter is likely.
- o **Spills and Disposal** Do not allow spilt material to enter drains or other watercourses. Sweep up and dispose of waste
 - In sealed containers to minimise dust. Disposal of waste is subject to statutory control. Consult your local authority for disposal guidelines.
- o **M.S.D.S.** A Material Safety Data Sheet (M.S.D.S.) is available on request.
- o **First Aid**
- o If swallowed **do not** induce vomiting. Give plenty of water to drink. Contact a doctor or the Poisons Information Centre. Phone 0800 764766 (New Zealand).
- o If in eyes, hold eyes open and flood with water for at least 15 minutes. Contact a doctor if any irritation occurs.
- o If on skin remove contaminated clothing, wash skin thoroughly with soap and water or a proprietary skin cleanser. Do not use solvents.
- o If affected by inhalation remove person to fresh air. If breathing difficulties persist or occur later, contact a doctor.

ADDITIONAL INFORMATION

- o Available in 20 kg bags – 50 BAGS = 1 Tonne.
- o Bags must be dry during transport and storage.
- o Bags must not be exposed to moisture, excessive heat or cold.
- o **Shelf Life:** 12 months, if stored appropriately. This must include storage under cover, above ground, away from direct heat and moisture.