

MULTI - TECHNICAL DATA SHEET

GENERAL DESCRIPTION

- ° MULTI is a graded sand, white cement, high grade lime supplement and additive, dry mixed product for use over Porous and non-porous substrates such as
 - Painted Solid Substrates
 - Clay Brick and Concrete Block Substrates,
 - Fibre cement sheet and EPS

PRODUCT CHARACTERISTICS

- o Suitable for interior or exterior use.
- o Applies with exceptional ease to provide a base coat for the application of reinforcement coats, finishing plasters or textural effect plasters.
- o Can be applied between 2 - 8mm thicknesses in one application.
- o Superior application properties when compared to conventional sand and cement render.
- o Superior Adhesion Characteristics to most clean dry substrates.
- o Easy to apply and being pumpable can offer economies in time and labour

BASIC PRODUCT DATA

- o **Surface Dry** Eight (8) hours.
- o **Recoat** Twenty four (24) hours, if required
- 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 – Off White
- o **Texture** Grainy
- o **Dry Material Volume** 1.430 kg per litre by volume
- o **Ideal Water Content** 20-22% by weight volume { = 3.6-4.4 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** 2.4-3.2m² per 25kg bag at 5-6mm thickness (2 coats @ 2-3mm per coat)
- o **Product Parameters** min. 2mm max 8mm application in a single coat.
- o **Clean-up** Thoroughly clean equipment with water.

SUBSTRATE, APPLICATION CONDITIONS AND TEMPERATURE

- o RenderTek MULTI is specifically designed for application over Porous and non-porous substrates including Painted masonry and stucco. MULTI can also be applied direct 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) and Fibre Cement substrates if required.
- o MULTI can also be trowel or brush applied to uPVC componentry prior to Plaster application to ensure excellent adhesion.
- 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 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 Mix one 20 kg bag of RenderTek MULTI 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 MULTI render at 2-3mm film thickness, A period of up to 12 hours must be allowed for the material to dry.
- 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.

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.
- o 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**: 9 months, if stored appropriately. This must include storage under cover, above ground, away from direct heat and moisture.

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