

Technical Data Sheet

TUFFBuild Render



FEATURES

- **Factory blended for optimum consistency**
- **Easy to handle**
- **Just add water**
- **Eliminates on-site mixing errors**
- **Will not go drummy like traditional sand and cement renders**

BENEFITS

- **Saves time & money**
- **Fast efficient application**
- **Improved workability and application properties**

TUFFBuild Render is a polymer modified cement based render suitable for many rendering and patching applications over substrates including clay/cement bricks and blocks, precast concrete panels. Locally manufactured using the highest quality washed and graded silica sand, general purpose cement & acrylic polymers. TUFFBuild Render has been formulated for use as a skim coat render best applied at a thickness ranging between 3-5mm. When applied to a clean and stable substrate, TUFFBuild Render will not display typical 'sand and cement' weaknesses such as herringbone cracking and drumminess, thus greatly reducing the risk of undertaking costly and unsightly repair work.

Note: TUFFBuild Render is not recommended for use over FC sheet.

Uses

TUFFBuild Render is specially formulated to strongly adhere to bricks and blocks, precast concrete panels and previously applied cement based renders. Prior to applying TUFFBuild Render, the applicator must ensure the substrate is of clean and sound nature prior to application. TUFFBuild Render is a pre-blended cementitious polymer modified base coat which has good water resistance properties and strong adhesion. TUFFBuild Render is trowel applied and suitable for a one coat or two coat application. A minimum curing time of 24 hours between coats is required. The product is workable at thicknesses of approximately 3-5mm or up to 10mm thick in multiple applications.

TUFFBuild Render is supplied in pre-packaged ready to use 20 kg bags. Each bag when drilled up makes up to 15 litres of wet render. Mix approximately 4 litres of clean water and drill to desired performance consistency. Coverage of approximately 2-5m² can be expected.

Suitable surfaces:

TUFFBuild Render can be applied to many commonly used construction materials but is primarily suited to:

- Brickwork
- Concrete Blocks
- Precast concrete panels

TUFFTEX TUFFBuild Render is suitable for application over properly prepared substrates such as brick, block, concrete, panels, and tilt up and off form concrete. Can be used for interiors and exteriors. TUFFTEX TUFFBuild Render is ideal to use as a base coat for TUFFTEX Acrylic Textures. TUFFTEX TUFFBuild Render must be over coated within 28 days of application.

Application & Finishing

Prior to the application of TUFFTEX TUFFBuild Render, ensure that the substrate is clean and free of any dust or debris that may compromise adhesion. Apply the render to the substrate at a thickness of 3-5mm per coat with a steel float taking care to coat evenly. Allow the freshly applied material to firm up sufficiently prior to finishing with a plastic or polystyrene float. TUFFBuild Render will stiffen significantly faster over porous surfaces. As a rule of thumb, a larger, more rigid float (plastic) will produce better results than a smaller flexible float (polystyrene). TUFFTEX TUFFBuild Render must be allowed to cure for a minimum of 2 days prior to over-coating. Areas subject to entrapped moisture such as water-logged brickwork may require a significantly longer drying-out period prior to over coating. TUFFTEX TUFFBuild Render should not be applied in hot or windy conditions and should be protected from rain or running water until initially hard set has been achieved. If temperatures are less than 8 °C or greater than 30°C, TUFFTEX TUFFBuild Render should not be applied to a wall. TUFFTEX TUFFBuild Render is not suitable as a render for use on expanded polystyrene sheets: for this we recommend TUFFTEX TUFFWALL Render on uncoated EPS board

Mixing

Add approximately 4 litres of clean water to a suitable mixing vessel and slowly add TUFFTEX TUFFBuild Render whilst stirring (not the other way around). The use of a mechanical stirrer is recommended. Continue stirring until all lumps have been dispersed. Add water until the desired performance consistency has been achieved. The final mix should hold a soft peak on the hawk. Mixing the material too wet or stiff, will make the material difficult to apply and finish up. Whilst the water content and flow of the slurry should vary slightly for different weather conditions (a little more water on days of higher temperatures), a good guide is to use volumes of TUFFTEX TUFFBuild Render 3:1 to one volume of water. That is, use approx. 4.5 litres of water to 1 bag of TUFFBuild Render. Addition of too much water may result in shrinkage and cracking.

Wash up

Clean tools in clean water immediately after use.

Supply & Packaging

TUFFTEX TUFFBuild Render is supplied in 20 kg plastic lined multi-walled paper sacks. TUFFWALL Render can also be supplied in pallet lots containing 56 x 20 kg bags.

Coverage

20 kg of TUFFTEX TUFFBuild Render will be sufficient to cover between 2-5 m². Meterage will vary greatly depending on the application thickness.

Safety

TUFFTEX TUFFBuild Render is non-toxic but contains cement which is alkaline in nature. TUFFTEX strongly advises that dust masks be used to prevent the inhalation of dust particles during preparation and that skin protection be used during application. Always prepare TUFFBuild Render in a well ventilated area. If skin irritation occurs flush immediately with running water. Refer to MSDS for details.

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