

Technical Data Sheet

TUFFWALL Render



FEATURES

- **Factory blended for optimum consistency**
- **Easy to handle**
- **Just add water**
- **Eliminates on-site mixing errors**
- **High polymer modification**
- **Excellent bond strength**

BENEFITS

- **Saves time & money**
- **Fast efficient application**
- **Minimal drying shrinkage**

TUFFTEX - TUFFWALL Render is a pre-blended cementitious polymer modified base coat which provides strong adhesion to pre-coated TUFFWALL & bare EPS (Polystyrene) panels. Locally manufactured using the highest quality washed and graded silica sand, general purpose cement & acrylic polymers. Supplied in dry powder form, TUFFWALL Render requires only clean water to produce a mortar adhesive that exhibits minimal drying shrinkage and displays good adhesion performance on TUFFWALL & bare EPS (Polystyrene) panels.

Uses

TUFFWALL Render is specially formulated to strongly adhere to TUFFWALL meshed and rendered cladding & bare EPS cladding. Prior to applying TUFFWALL Render, the applicator must prepare bare EPS board by meshing the surface with alkali resistant fibre glass mesh. Alternatively, TUFFTEX meshes and coats EPS boards (TUFFWALL) in a factory controlled process and makes this product available to builders as TUFFWALL which is available in thicknesses of 50, 75 and 100mm.

TUFFWALL Render is a pre-blended cementitious polymer modified base coat, which has good water resistance properties and strong adhesion. TUFFWALL Render is trowel applied and suitable for a one coat or two coat application on TUFFWALL EPS cladding. A minimum curing time of 24 hours between coats is required. The product is workable at thicknesses of approximately 4-6 mm.

TUFFWALL 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 4-5 litres of clean water and drilling to desired performance consistency. Normal coverage of approximately 2-5 m² can be expected.

Suitable surfaces:

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

- TUFFWALL pre-meshed and coated panels
- Bare Expanded polystyrene cladding boards (EPS)

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

Application & Finishing

Prior to the application of TUFFTEX TUFFWALL 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 4-6mm 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. TUFFWALL 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 TUFFWALL 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 TUFFWALL Render should not be applied in hot or windy conditions and should be protected from rain or running water until initial hard set has been achieved. If temperatures are less than 8 °C or greater than 30°C, TUFFTEX TUFFWALL Render should not be applied to a wall.

Mixing

Add approximately 4 litres of clean water to a suitable mixing vessel and slowly add TUFFTEX TUFFWALL 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 TUFFWALL Render 3:1 to one volume of water. That is, use approx. 4.5 litres of water to 1 bag of TUFFWALL Render. Addition of too much water may result in shrinkage and cracking.

Wash up

Due to the high polymer content, TUFFTEX TUFFWALL Render should not be allowed to dry on tools as it will prove extremely difficult to remove. Always clean tools with clean water immediately following use.

Supply & Packaging

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

Safety

TUFFTEX TUFFWALL 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 TUFFWALL Render in a well ventilated area. If skin irritation occurs flush immediately with running water. Refer to MSDS for details.

IMPORTANT NOTE: TUFFTEX Pty Ltd, its staff and distributors will not accept responsibility for any failure caused as a result of factors beyond our control including, but not limited to onsite handling, preparation or application of this product. Application of this product should only be performed by qualified trades people trained in the use of this type of product. Information supplied in this publication is based on our testing and experience and is given in good faith. Suitability of this product should be independently determined prior to use. Warranty is limited to the replacement of any materials proven to be faulty. TUFFTEX will not warrant job defects caused as a result of but not limited to, structural movement or entrapped moisture.