

Unitex FIBRORENDER

Ready-to-apply. Guaranteed Performance.

before



after

during

- Recommended by manufacturers of FRC Sheet
- Where strong adhesion to substrate required
- Over difficult, smooth and low porous substrates
- Patching and levelling over high MPa concrete
- Mix with 5-10% cement

Unitex FIBRORENDER™

consistent quality patching

restoration

levelling



Westfield Shoppingtown (Doncaster), Melbourne Australia

FIBRORENDER is supplied by Unitex in 15 litre sealed pails and is a consistent quality, water based acrylic filling and levelling (skim coating) compound. **FIBRORENDER is drill mixed (Ribbon Blade) with 5-10% cement added a few minutes prior to its application** and is used for patching, levelling, skim coating and for restoration of damaged substrates. It is designed for use over FRC sheeting as a levelling preparation skim coat and is applied prior to the Unitex range of pigmented surface masonry coatings (eg Uni-Trowel Décor, Uni-Roll Décor).

EXTERNALLY/INTERNALLY

Direct from the pail, FIBRORENDER can be used internally up to a depth of 3mm and externally up to a depth of 5mm. Externally, adding 5-10% cement allows for greater depths of patching and rendering. Added cement amount may vary to allow for faster setting and rain proofing time.

PERFORMANCE/APPEARANCE

The skim coating shall, if subjected to the Early Fire Hazard Test conducted in accordance with the Australian Standard AS 1530 Part 3, meet all relevant requirements with regard to spread of flame and smoke developed index.

APPLICATION RATES

FIBRORENDER skim coat shall be applied by trowel in quantities not less than 1.50-2.50 kg/m² - smooth on Class 3 Concrete or level FRC Sheeting (eg FRC Sheeting).

FIBRORENDER is not recommended for application where coating thicknesses greater than 5mm are required.

- When base render thickness of 5-9mm is required use Unitex REDIRENDER. (REDIRENDER not approved over FRC Sheeting)
- When base render thickness of 9-30mm is required use Unitex HILITERENDER or reinforcing Unitex HiFIBRENDER.

APPLICATION

FIBRORENDER is the strongest adhering render available from the Unitex range of speciality render products. It is perfect for use over dry, non-porous and difficult surfaces. FIBRORENDER is supplied in 15 litre sealed pails.

FIBRORENDER arrives in buckets to which you simply mix in 5-10% cement using a slow speed (Ribbon Blade) mixer to a lump free consistency. Mixing errors, which are common with conventional renders, are eliminated which means reduced time and labour costs on-site.

The mixed FIBRORENDER is applied to a suitably prepared masonry surface by trowel and quickly worked up with a steel or perspex float to a true and even surface. Once the FIBRORENDER is on the wall it must be trowel finished with speed immediately as this type of modified render tends to dry from the surface first. Leave the surface to fully dry and cure for a minimum of 48 hours depending on the season. It is recommended that a surface coat from the Unitex range of applied finishes be used over FIBRORENDER (eg Uni-Trowel Décor, Uni-Roll Décor).

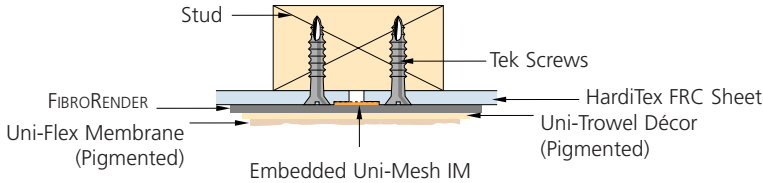
STEP-BY-STEP INSTRUCTIONS FOR FRC SHEET

1. Apply the mixed FIBRORENDER to the sheet gaps and embed the precut (50mm) Uni-Mesh (alkaline resistant).
2. Skim coat with FIBRORENDER over whole of FRC Sheet surface with a steel or perspex trowel to a depth of approximately 2-3mm. If studs behind the sheet are uneven then use FIBRORENDER a little thicker to feather out the worst of the unevenness.
3. When the FIBRORENDER is dry and cured for minimum 48 hours (seasonal), overcoat with any of the Unitex range of applied finishes (eg Uni-Trowel Décor, Uni-Roll Décor).
4. The system requires the above (when dry) to be overcoated (by roller) with one coat of Uni-Flex Membrane at a rate of approximately 2m² per litre.
5. FibroRender was formally known as Polymer Render PRD.



Suggested Butt Junction Cross Section*

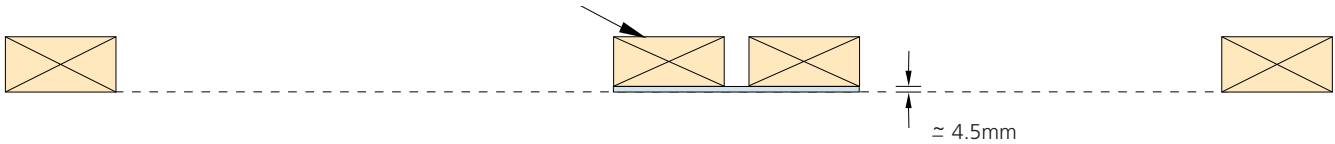
Plan View of Butt Junction of two HardiTex Sheets



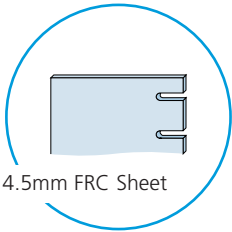
Suggested Slip Joint Cross Section*

Plan View of Slip Joint

Two studs shaved back thickness of backer sheet approx. 4.5mm

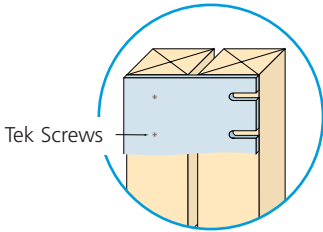


Detail 1



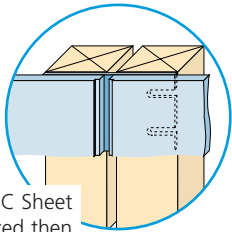
Slotted 4.5mm FRC Sheet

Detail 2



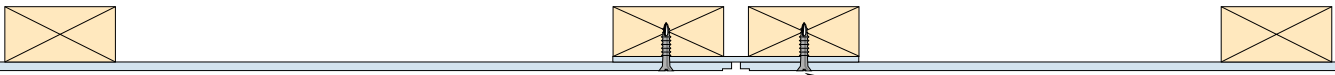
Tek Screws

Detail 3



Surface FRC Sheet 7.5mm fixed then slotted backer sheet

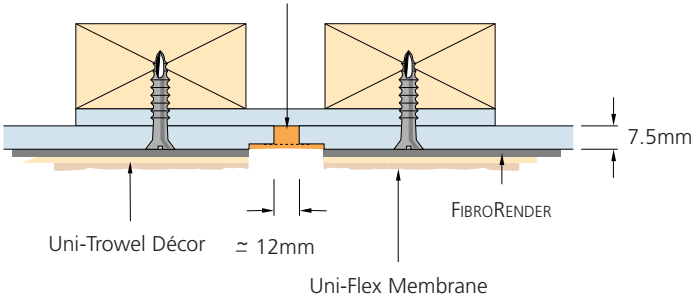
Plan View of Slip Joint



Surface 7.5mm FRC sheet tek screw fixed through slot in backer sheet to stud ie adjoining studs are connected by a slip joint

Plan View of Slip Joint of two HardiTex Sheets

100% Urethane Mastic Expansion joint size defined by the Architect/Engineer



*Note: The above Technical Illustrations are a suggested method only. For more information see the Technical Literature published by your FRC Sheet manufacturer. For the expected movement of substrates your Architect, Engineer and/or Builder must design their projects with building movement in mind. Generally for good building practice expansion joints/movement joints should be seen in every elevation. The gaps between butt jointed (usually ≈ 3mm) FRC Sheets are not accepted as expansion joints as they are part filled and overcoated with the Uni-Mesh reinforced FIBRORENDER. It is the responsibility of the Architect, Engineer and Builder to predict the likely building movement/thermal stresses etc. prior to the FIBRORENDER application (ie expect to have a minimum 10mm expansion/slip joint in every elevation - mastic sealed with a 100% Urethane Sealant). Accepted building practice for rendered surfaces provides for expansion joints every 6-8 metres as a minimum. Unitek will not accept responsibility for poor design and building practice that does not allow for substrate movement.

TECHNICAL DATA

Tensile Bond Strength of FIBRORENDER to clay brick	1050 kPa
After 20 cycles freeze -thaw testing	Pass (No delamination, edge separation or loss of bond strength)
Water Vapour Permeability	Average 3.5 gsm per day
Impact Resistance on (P/S)	15 Joule (No loss of bond strength)

EXPANSION JOINTS

Expansion joints are the responsibility of and shall be provided by the Builder or Head Contractor. Unitex recommends expansion joints to every elevation (see *Note at bottom of previous page) and between different substrate surfaces to allow for building movement or stresses. If such expansion joints are not provided by the Builder or Head Contractor, cracking due to substrate movement and thermal stresses may occur and is no way indicative of faulty material or lack of product information but of sub-standard building practice.

The gaps between butt jointed (usually \approx 3mm) FRC Sheets are not accepted as expansion joints as they are part filled and overcoated with the Uni-Mesh reinforced FIBRORENDER. It is the responsibility of the Builder, Architect and Engineer to predict the likely building movement/thermal stresses etc. prior to the FIBRORENDER application (ie expect to have a minimum 10mm expansion/slip joint in every elevation - mastic sealed with a 100% Urethane Sealant). Unitex will not accept responsibility for poor design and building practice that does not allow for substrate movement.

CONDITIONS OF SUBSTRATE FOR COATINGS

It shall be the responsibility of the Builder or Head Contractor to ensure the substrate to which the coating system is to be applied shall be of fit standard to permit the desired finish as in the Applied Sample to be achieved.

For precast and off form fair faced concrete, the minimum standard shall be considered as the equivalent of that laid down in Australian Standard AS 1509 "SAA Formwork Code" in particular Rule 4.4.2 "Tolerances" and AS 1510 part 1, 1974 Control of Concrete Surfaces - Formwork in particular Rule 2.1.3 on Class 3 Formwork.

For Blockwork this minimum standard shall be considered as the equivalent of that specified in Australian Standard AS 1640 SAA Brickwork Code.

If the natural joint pattern is not to appear brickwork or blockwork must be fair faced and flush jointed.

All substrates shall be free from dust, grease, scaling laitance, efflorescence, form oil compounds, mould, fungi, rust or any other foreign matter. It shall not be subject to continual wetting or hydrostatic pressure. *Damp course must be in place below any FIBRORENDER works.*

The Builder or Head Contractor shall make good any substrate not finished to these standards.

SPECIFIER'S CLAUSE

Unitex® FibroRender shall be trowel applied single coat. It is manufactured by Unitex® Granular marble. Contact by phone: (03) 9706 5279 (Melbourne), (02) 9648 5878 (Sydney) or visit: www.unitex.com.au

PACKAGING

15 litre plastic Unitex pails with handle. Pallet lots of 32 pails available.



The information contained in this document is based on data available at the time of writing, which we believe is accurate and reliable. Unitex reserves the right to change the information without prior notice.

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