



## Beaumont Tiles Specification SRO777 – 5

### Installation of Tiles to Internal Timber Floors covered with Sheet Underlay

#### Scope:

Adhesive fixing of ceramic and porcelain tiles (excluding moisture sensitive natural stone) up to and larger than 400 x 400mm in size, to internal prepared timber floors covered with fibre cement (F.C.) sheet ceramic tile underlay. Suitable floors for covering with the F.C. sheet underlay include T&G strip timber, structural particleboard and plywood.

This general specification is to be read in conjunction with the nominated product data sheets including that for the ceramic tile underlay sheeting. Additional information may be provided from Ardex Technical Bulletins relevant to this application.

#### Substrate Preparation:

Internal timber flooring must comply with the requirements of AS1684 for framed construction with the maximum allowable deflection of the floor to be  $1/360^{\text{th}}$  of the span between joists and also between bearers. For tiles larger than 400 x 400mm, the maximum allowable deflection is  $1/500^{\text{th}}$  of the span. Sand the underlay surface with 24 grit paper to remove any contaminants and vacuum to remove dust prior to priming with Ardex Multiprime. When the primer is dry, apply bond breaker tape over all joints in the F.C. underlay.

Large format tiles are best laid on flat surfaces. If levelling/smoothing of the floor is required prior to fixing the tiles, please consult Ardex.

#### Tiling:

Adhesive fix the tiles using one of the following adhesives to achieve the continuous adhesive bed minimum thickness nominated for each product.

**Barrierflex** (2.5mm); **Floorflex** (5mm); **Optima** (2.5mm); **X56** (2.5mm) **Abaflex** (2.5mm); **MPP** (2.5mm).

Where the measured deflection is less than the joist span divided by 500, these adhesives may also be used; **Glueplus** (2.5mm) and **Ardex X52** (2.5mm). Further, where the tile underlay sheet is applied onto structural particleboard and flooring grade plywood (not T&G strip timber) **ABA Glue** (2.5mm) and **Powerstik** (2.5mm) may also be used.

Spread the mixed adhesive with a 10 x10mm (minimum size) notched trowel so that all adhesive lines are parallel. Place the tile, and while pressing firmly down, slid the tile back and forth across the lines of adhesive to achieve full coverage. Occasionally lift tiles to check full contact has been achieved between the tile and the substrate with no voids in the adhesive layer. If necessary to achieve full contact at the recommended adhesive bed thickness, spread the adhesive with a larger size notched trowel and/or butter additional adhesive directly onto the back of each tile.

#### Grouting:

Once the adhesive has set for 24 hours, grout the tiles using one of the following cement based grouts with 80% Ardex Grout Booster in 20% water;

**Ardex FG8** sanded grout for joints 1 – 8mm,

**Ardex FS-DD** unsanded grout for joints 1 – 4mm



**Movement Joints:**

Movement joints are to be included in the tile finish in accordance with the recommendations of AS3958. These joints are to be (minimum) 6mm wide and raked free of grout and adhesive. These joints are to be filled with a flexible sealant such as the Ardex SE silicone sealant (with backing rod in deeper joints).