



## Beaumont Tiles Specification SR0777 - 3

### Installation of Tiles to Internal Sheet Timber Floor substrates

#### Scope:

Adhesive fixing of ceramic and porcelain tiles floors (excluding moisture sensitive natural stone) up to 400 x 400mm in size, to internal prepared sheet timber. Sheet timber refers to plywood and particleboard only.

This general specification is to be read in conjunction with the nominated product data sheets. Additional information may be provided in Ardex Technical Bulletins relevant to this application.

#### Substrate Preparation:

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. Sand the sheet surfaces with 24 to 40 grit paper to remove any contaminants or coatings and vacuum to remove any dust. A bond breaker tape is to be applied over all sheet joints. Prime the prepared surface with a slurry coat consisting of 2 parts Ardex Optima powder with 1 part Ardex Optima Liquid and applied with a sponge roller to form a thick coat. Let fully dry before commencing to lay tiles.

#### Tiling

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

**Barrierflex** (1.5mm); **Floorflex** (5mm); **Optima** (2.5mm); **X56** (2.5mm)

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 collapse the lines and 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 and over all joints between the timber sheets. 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).