



## Beaumont Tiles Specification SR0777 - 4

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

#### Scope:

Adhesive fixing of ceramic and porcelain tiles (excluding moisture sensitive natural stone) larger than 400 x 400mm in size; to internal sheet timber floors constructed from structural plywood and particleboard.

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

#### Substrate Preparation:

Timber floors 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 to remove any contaminants or coatings and vacuum to remove dust. Prime the prepared surface with a slurry coat of 2 parts Ardex Optima Powder mixed with 1 part Ardex Optima Liquid and applied with a sponge roller to form a thick coat. Let this prime coat fully dry before commencing to lay tiles.

Note: the timber floors must be flat for the adhesive fixing of large size tiles and may require levelling prior to laying the tiles. (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)

Spread the mixed adhesive with a 12 x12mm 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 mixed with Ardex Grout Booster.

**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)

