



## Beaumont Tiles Specification SRO777-6

### Installation of Tiles to External Timber Balcony Floors

#### Scope:

Adhesive fixing of ceramic and/or porcelain tiles up to and larger than 400 x 400mm in size, (excluding moisture sensitive natural stone) to external balconies constructed from waterproofed marine grade plywood.

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.

#### Waterproofing Membranes

Ardex membranes compatible with direct stick tile adhesives are:

##### **Butynol rubber sheet**

All waterproofing membranes are to be installed in accordance with the product data sheets and comply with AS4654. Butynol rubber sheet membrane is to be installed by accredited applicators.

#### Substrate Preparation:

The balcony construction shall comply with AS1684 with deflection between joists and bearers to be less than 1/360 of the span. Minimum fall of 1:100 is required to prevent water ponding. For tiles larger than 400 x 400mm, the maximum deflection shall be less than 1/500<sup>th</sup> of the span.

The membrane shall be fully cured, clean and installed in accordance with the product data sheets and the recommendations of AS4654. The location of all sheet joints shall be marked as these joints must be maintained through the adhesive fixed tile finish.

#### Tiling

Adhesive fix the tiles using one of the following Ardex - ABA adhesives.

**Optima** adhesive can be used over **Butynol rubber** membrane

Spread the mixed adhesive with a 12x12mm minimum size notched trowel to achieve a 2.5-3mm thick bed, 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 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 as well as at all sheet joints in the substrate. These joints are to be (minimum) 6mm wide and raked free of grout and adhesive prior to filling with a flexible sealant such as the Ardex SE silicone sealant (with backing rod in deeper joints).