



Beaumont Tiles Specification SRO777 – 8

Installation of Tiles to Concrete Shower Bases

Scope:

Adhesive fixing of ceramic and/or porcelain tiles (excluding moisture sensitive natural stone) up to and larger than 400 x 400mm in size, to topping screeds on concrete floors forming the base of internal showers with minimal fall of 1:100.

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:

Concrete to have completed the recommended (AS3958) 4 – 6 weeks curing & drying period and wood float finished. Smooth steel float finished concrete is to be scarified and contaminants such as curing compounds, laitance, oily residues, paint over-spray and debris from other trades are to be removed by mechanical means such as diamond grinding, shot blasting or similar treatments to achieve an open pored surface. Vacuum to remove dust. The prepared substrate may now be waterproofed or the topping screed may be installed.

Waterproofing Membrane

Compatible waterproofing membranes for bonded topping screeds are;
ABA Waterproofer, Ardex WPM002, Ardex WPM155, and Barrierflex

Instead of (and as well as) application directly over the substrate, these membranes may also be applied over dry bonded topping screeds prior to adhesive fixing the tiles.

Topping screed

The topping screed is 3 to 4 parts (by weight) sand to 1 part Portland cement and mixed with 1 volume of Ardex Abacrete liquid polymer additive in 3 volumes water. This mortar is applied over the wet bonding slurry of 2 parts Abacrete liquid to 3 parts Portland cement that is brushed over the surface immediately prior to placement of the mortar.

Where the membrane is to be applied over the topping screed, ensure the screed is dry (minimum 7 days drying prior to application of membrane).

Tiling

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

Barrierflex, Abaflex, Glueplus, Powerstik, Super Tileset, Glue, MPP (internal only), Optima

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 or without added 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 prior to filling with a flexible sealant such as the Ardex SE silicone sealant (with backing rod in deeper joints).