



Beaumont Tiles Specification SRO777 – 9

Installation of Tiles to Timber Shower Bases with Mortar Toppings

Scope:

Adhesive-fixing of ceramic and/or porcelain tiles (excluding moisture sensitive natural stone) of all sizes, to topping screeds on sheet timber (plywood or particleboard) floor substrates 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:

Timber floors must comply with the requirements of AS1684 for framed construction with the maximum allowable deflection of the floor to be 1/360th of the span between joists and also between bearers. Sand the plywood sheet surfaces to remove any contaminants or coatings and vacuum to remove dust **or** install fibre cement sheet underlay over particleboard floors **or** install a slip sheet of heavy plastic onto which a 40mm thick, unbonded self-supporting topping screed may be placed.

Waterproofing Membrane – application must comply with AS3740.

Where the membrane is to be applied before the topping screed is placed, ensure all surfaces are primed, including PVC plumbing, in accordance with the membrane data sheet instructions and let dry.

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

Instead of application directly over the substrate, these membranes may also be applied over dry topping screeds prior to adhesive fixing the tiles.

Topping screed

When bonded to the fully dry membrane, 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.

This same mortar mix is used for unbonded self-supporting screeds with welded wire reinforcement as per AS958 without the bonding slurry.

Where the membrane is to be applied over the topping screed, ensure the screed mortar is dry (min. 7 days drying prior to waterproofing).



Tiling

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

Barrierflex, Abaflex, Glueplus, Powerstik, MPP and 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)