



April 17th 2020

SRO 1182a- Bellessi Shower base – Dunlop

Scope

Installation of a Dunlop primer, Dunlop waterproofing membrane and Dunlop tile adhesive system over the Bellessi shower base.

Substrate preparation

The Bellessi shower base to which a primer, waterproofing membrane and tile adhesive are to be applied must be structurally sound and must be securely fixed in accordance with the manufacturers' instructions.

The Bellessi shower base is then required to be lightly sanded and washed down using clean water to remove dust and any other contaminants including residual materials from the moulding. The surface should be dry, clean, and free of all contaminating materials before priming, waterproofing and tiling commences.

Priming

Once the Bellessi shower base has been prepared it is required to be primed and the primer left to dry prior to application of a waterproofing system. The nominated primer is;

1. **Bellessi shower tray = Dunlop Bond Coat**
2. **Walls and porous surfaces = Dunlop Multi-Purpose Primer**

The primer shall be applied in 1 coat at not more than 6-10 sqm per litre per coat and allowing at least 24 hours drying time.

The ARDEX Multiprime shall be applied in 1 coat at not more than 6 sqm per litre per coat and allowing at least 30 minutes drying time.

The Dunlop Bond Coat and the Dunlop Multi-Purpose Primer shall be used in accordance with the product datasheets and packaging.

Joint tape

A joint tape is then applied over the cured Dunlop Damp-Proof primer for upturn joints and tray edge joints (over silicone / foam bond breakers - joint fillers) as required. The nominated joint tape is;

1. **Dunlop Express Wet Area Tape**

The Dunlop Express Wet Area Tape shall be used in accordance with the product datasheets and packaging.

Waterproofing membrane system

A waterproofing membrane is then applied over the cured Dunlop Damp-Proof primer and also the Dunlop Express Wet Area Tape. This is applied in the standard method to achieve the recommended minimum DFT of 1.0mm after two coats including over the Dunlop Express Wet Area tape edges. The nominated waterproofing membrane is;

1. **Dunlop Express Wet Area waterproofing membrane**

The Dunlop Express Wet Area waterproofing shall be used in accordance with the product datasheets and packaging.

Tile adhesive system

Once the membrane has completely cured the Bellessi shower base can be tiled with a Dunlop C1S1 or C2S1/S2 class adhesives suitable for the tiles to be installed. The nominated tile adhesives are;

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1. **Dunlop Universal tile adhesive**
2. **Dunlop Trade Resaflex tile adhesive**

NOTE: The Dunlop Universal or the Dunlop Trade Resaflex tile adhesives are not suitable for moisture sensitive natural stone.

The Dunlop Universal or the Dunlop Trade Resaflex shall be used in accordance with the product datasheets and packaging.

AS3958 provides a guide for the trowel sizes to use and the recommended minimum adhesive contact between the substrate and the back of the tiles.

The mixed adhesive is spread so that all adhesive lines are parallel. The tiles are placed onto the spread adhesive and, while pressing firmly are slid back and forth across the lines of adhesive by at least the width of one line. This action collapses the adhesive lines together and fills the voids between the lines while wetting the back of the tiles and increasing the adhesive contact. Closing the voids reduces the spaces for moisture to be trapped under the tiles and reduces the potential for efflorescence.

Tile Grout

The following grouts may be used:-

1. **Dunlop Flexible Coloured Grout - Sanded cement based grout for joints from 1 - 8mm wide and is the most commonly used grout used internally & externally.**

The Dunlop Flexible Coloured Grout shall be used in accordance with the product datasheets and packaging.

The above cement based grouts can be mixed with the Dunlop Primer and Additive which is an admix that improves the adhesion and cohesive strength of the grout and reduces the penetration of water thus reducing the potential for efflorescence. It does not make the grout waterproof.

Movement Joints

Movement joints are required in the tile finishes in accordance with the recommendations of AS3958. These joints are a minimum of 6mm wide and are typically located in all internal corners (e.g. wall – floor junctions) and along perimeter walls, over all movement joints in the structure, around all penetrations through the tile finishes, at all changes in the direction of the substrate, at all changes in the composition of the substrate and in large areas, at intervals of not more than 4.5m apart in both directions of a grid pattern. These joints are filled flexible sealants such as the Dunlop flexible coloured silicone. A backing rod may be required under the sealant to ensure the sealant is able to accommodate movement.

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