TECHNICAL SPECIFICATION

ATTENTION: MR PAUL BAULCH
SHOWERLINE PTY LTD

DATE: 29TH FEBRUARY 2016

SUBSTRATE: 'SHOWERLINE' PREFORMED SHOWER BASES

APPLICATION: PRIMING, WATERPROOFING AND TILING OVER THE 'SHOWERLINE' PREFORMED SHOWER BASE

TILE TYPE: FLOOR TILES AS SELECTED

PRODUCTS: AQUA BLOK MOISTURE SEAL PRIMER
SIKASIL PRO NEUTRAL CURE SEALANT
AQUA BLOK RAPID WATERPROOFING MEMBRANE
MCB A100 TILING ADHESIVE / PROHESIVE ULTRAPRO ADHESIVE
POLYBLEND G10 FLEXIBLE COLOURED GROUT
MCB ADMIX A ADDITIVE / PROHESIVE PROLASTIC ADDITIVE
POLYBLEND S1 COLOURED SEALANT

This CTA Technical Specification is written for the 'Showerline' Preformed Shower Base Product only.

SURFACE PREPARATION

Ensure that the "Showerline" Shower Base has been installed strictly in accordance with the Product Manufacturer. Roughen up the surface of the "Showerline" Shower Base by "mechanical means" using an Angle Grinder with a Stone Masonry Disk. Thoroughly roughen up and "key" the surface. It is critical to create a successful 'key' for the bonding of the Primer, Waterproofing Membrane and the Tiling Adhesive. Ensure that the prepared surface is thoroughly clean and dry with all loose surface particles removed.

PRIMING OF SURFACE

Prime the surface with one coat of AQUA BLOK MOISTURE SEAL PRIMER (mixed strictly in accordance with the Manufacturer's Instructions) by Paint Brush.
Mix the AQUA BLOK MOISTURE SEAL Part A and Part B in a 1:1 ratio strictly in accordance with our CTA Manufacturers' Instructions.
Allow the AQUA BLOK MOISTURE SEAL PRIMER to dry overnight prior to the application of the AQUA BLOK RAPID WATERPROOFING MEMBRANE.

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WATERPROOFING MEMBRANE SYSTEM

The Waterproofing Membrane to be applied over the primed “Showerline” Shower Base shall be the AQUA BLOK RAPID WATERPROOFING MEMBRANE.
This product MUST be applied strictly in accordance with our CTA Manufacturer’s Instructions.
Apply the SIKASIL PRO NEUTRAL CURE SEALANT as a ‘bond breaker’ to all Internal Corners, Wall/ Floor Junctions, Sheet Joints and wherever there is a change in the direction of the substrate.
Incorporate the AQUA BLOK POLYESTER REINFORCED MATTING between the first and second application of the AQUA BLOK RAPID WATERPROOFING MEMBRANE at all internal corners, wall/floor junctions and all sheet joints.
The Waterproofing Membrane must be applied using either a Paint Brush and/or Paint Roller.
A minimum dry film thickness of 1.2mm – 1.5mm of the AQUA BLOK RAPID WATERPROOFING MEMBRANE must be achieved for optimum waterproofing properties.
The surface onto which the Waterproofing Membrane is applied must be continuous.
Allow the Waterproofing Membrane to dry and cure for a minimum of 4-6 hours prior to the commencement of Floor Tiling.

RECOMMENDED ADHESIVE SYSTEM

For this Floor Tiling Application, use MCB A100 Tiling Adhesive or PROHESIVE ULTRAPRO Tiling Adhesive using a minimum 10x10x10mm notch trowel for the bonding of the Floor Tiles over the Aqua Blok Rapid Waterproofing Membrane in this application.
Note: Tiles, Adhesive and Grout must be stored under cover and out of direct sunlight for a minimum of 24 hours prior to installation.

MIXING

The mixing ratio of MCB A100 Tiling Adhesive or PROHESIVE ULTRAPRO Tiling Adhesive to Water is 13.5kg Powder mixed with approximately 5.6 Litres of Clean Water at 23oC.
Mix small proportions at a time by pouring the Powder into the Water continuously stirring the mix with a mechanical stirrer using a low speed drill, or by hand until it becomes a wet, smooth paste free from lumps. In hotter climatic conditions, high temperature and/or high humidity, increase the amount of Water to a wetter mix. (Approximately 6 Litres per 13.5kg).

APPLICATION
Apply the mixed MCB A100 Tiling Adhesive or PROHESIVE ULTRAPRO Tiling Adhesive using a minimum 10x10x10mm notch trowel for the bonding of the Floor Tiles over the Aqua Blok Rapid Waterproofing Membrane in this application.
Spread the adhesive in a manner so that it does not 'skin' prior to the bedding of the tiles. It may be necessary to "butter" the back of the tile as well. The whole of the back of the tile must be in good contact with the adhesive.
From time to time remove one tile for inspection, as no voids should be left beneath the tiles.
'Spot fixing' of tiles is not recommended and shall be avoided at all times.
Attention must be paid to the open time of the adhesive which will be shorter due to the high temperature. Instead of 25 minutes at 23oC, it will be approximately 10 minutes at 35oC.
Constant checks must be made to see whether a surface 'skin' has formed. In no circumstances shall tiles be applied over adhesive that has commenced to 'skin' over. Where 'skinning' has commenced, the adhesive shall be completely removed, discarded and fresh material applied.
Do not wet the adhesive when it has formed a 'skin' because, instead of dissolving the 'skin', an anti-adhesive film will be formed.

GROUTING

For this Floor Tiling Application, use POLYBLEND G10 FLEXIBLE CEMENT BASED COLOUR GROUT mixed with MCB ADMIX A Additive or PROLASTIC Additive.

MIXING
Mix 5kg of POLYBLEND G10 FLEXIBLE CEMENT BASED COLOUR GROUT with approximately 1.6 Litres of liquid consisting of 50% ADMIX A Additive or PROLASTIC Additive and 50% Clean Water. Mix with a low speed stirrer or by hand to achieve a lump free, firm paste. The mix is now ready to be applied into the joints.

APPLICATION
Apply the mixed POLYBLEND G10 FLEXIBLE CEMENT BASED COLOUR GROUT with a suitable rubber squeegee and work into the joint. Grout will set quickly especially when mixed with the Additive so confine application and the clean up of the grout to small areas at a time. Remove the remaining grout off the tile surface with a damp sponge.

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MOVEMENT JOINTS

Movement Joints in Floor Tiling applications must be incorporated at the design stage and in accordance with Australian Standard A.S. 3958.1 (2007).

Movement Joints and Construction Joints must be carried through to the surface of the tiles.

Movement Joints to be a minimum 6mm wide.

For Floor Tiling Applications, Movement Joints to be at a maximum of 5 metre intervals in a grid pattern as well as Movement Joints at all Perimeter Joints.

Seal all Movement Joints using POLYBLEND S1 Flexible Coloured Sealant.

Yours sincerely,
For and on behalf of Construction Technologies Australia Pty Ltd

Trevor Lawrence
State Sales Manager VIC / TAS