



Preparation of DeltaBoard surfaces for External Use

IMPORTANT INFORMATION

DeltaBoard is suitable for use in both interior and exterior applications. For all applications, the surface of the DeltaBoard must be correctly prepared for its intended use.

SUBSTRATE PREPARATION

Ensure that the substrate surfaces which are to be lined with DeltaBoard are structurally stable are suitable for external use and are free from dust and grease contamination. When fixing onto solid surfaces such as timber cladding and concrete, it is important to prime the substrate using a compatible external grade primer- dilute the primer following manufacturer's advice.

FIXING DELTABOARD

DeltaBoard must be fixed to the substrate in accordance with PCS fixing instructions (fixing instructions are available for viewing and download at www.pcsboard.com) Where possible, fix the DeltaBoard to the substrate in a brick bond pattern to stagger joints.

JOINT WATERPROOFING

Bridge all joints, fixings and penetrations using a compatible waterproofing joint bridging system (waterproofing instructions are available for viewing and download at www.pcsboard.com)

CEMENTITIOUS REINFORCING BASE LAYER

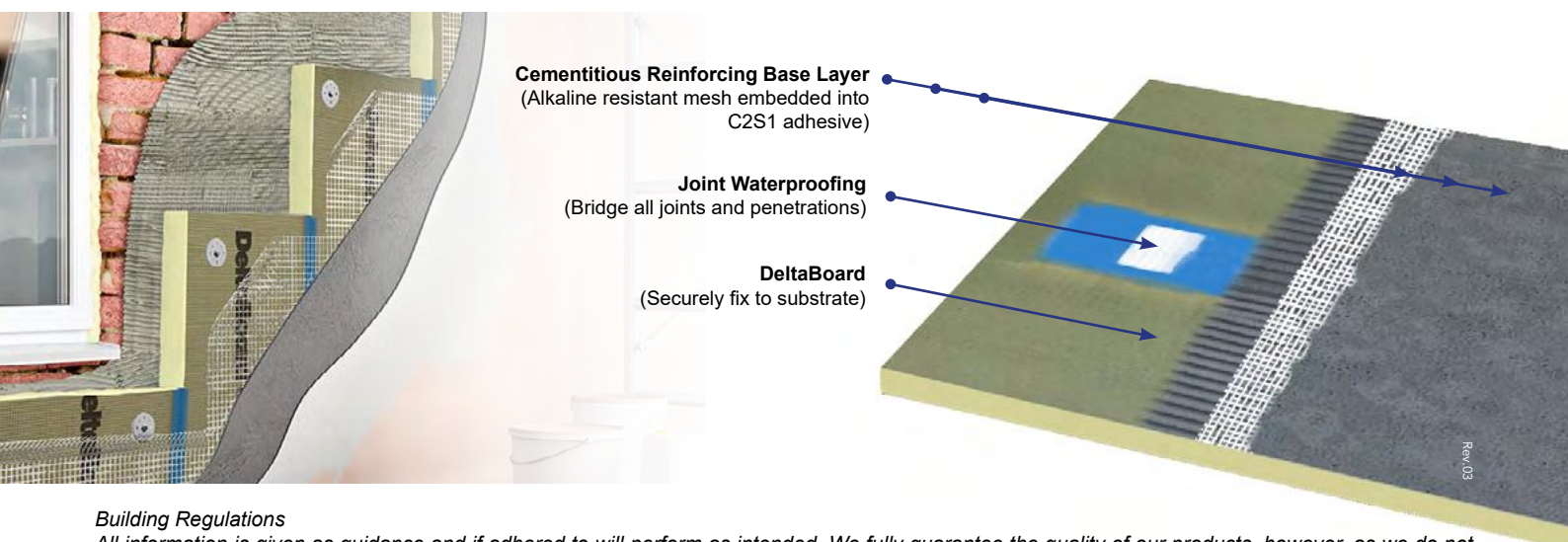
Once the DeltaBoard is securely bonded to the substrate and all board joints, fixings and penetrations have been sealed and are waterproofed, a cementitious reinforcing base layer must be applied. Using a notched tiling trowel apply a 3mm-5mm coating of exterior grade cementitious flexible tile adhesive that meets classification C2 S1, over the entire surface of the DeltaBoard. Fix heavy duty alkaline resistant mesh into the wet adhesive. The grade of reinforcing mesh must meet a minimum net weight of 120gms m².

Using the smooth edge of the trowel, force the reinforcing mesh into the wet adhesive ensuring that the mesh is completely covered by the coating. The reinforcing mesh must be applied to the entire surface of the boards and must bridge ALL joints including board abutment joints, corner joints and wall to floor joints etc. Each section of reinforcing mesh should overlap any adjacent mesh by approximately 100mm. During application of the base layer, it is important to protect the cementitious adhesive from aggressive weather conditions ensuring the adhesive layer is allowed to cure correctly and to prevent rapid drying.

DECORATIVE SURFACE FINISHES (TILES/FLEXIBLE RENDER)

Once the cementitious reinforcing base layer is sufficiently dry, decorative coatings can be applied.

NB DeltaBoard is compatible for use with highly flexible synthetic render systems. Thick bed sand & cement renders / mortars and "One Coat" scraped render systems provide minimal flexibility and are not compatible for use with DeltaBoard. Advice and guidance must be sought from the render manufacturer regarding the suitability of the render system over DeltaBoard.



Building Regulations

All information is given as guidance and if adhered to will perform as intended. We fully guarantee the quality of our products, however, as we do not have knowledge of site conditions or the capability of the installer, we cannot accept liability for damage which may arise due to a result of incorrect installation. The information and advice provided by PCS does not override nor supersede building regulations. It is the responsibility of the user to seek professional guidance to ensure PCS products are compatible for their intended use and that the products comply with building regulations. A detailed fixing document with illustration diagrams is available for download at www.pcsboard.com, and should be read to provide additional advice. For special applications not covered in the fixing document, please contact PCS Technical.

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