

Autoclaved Aerated Concrete Texturing System

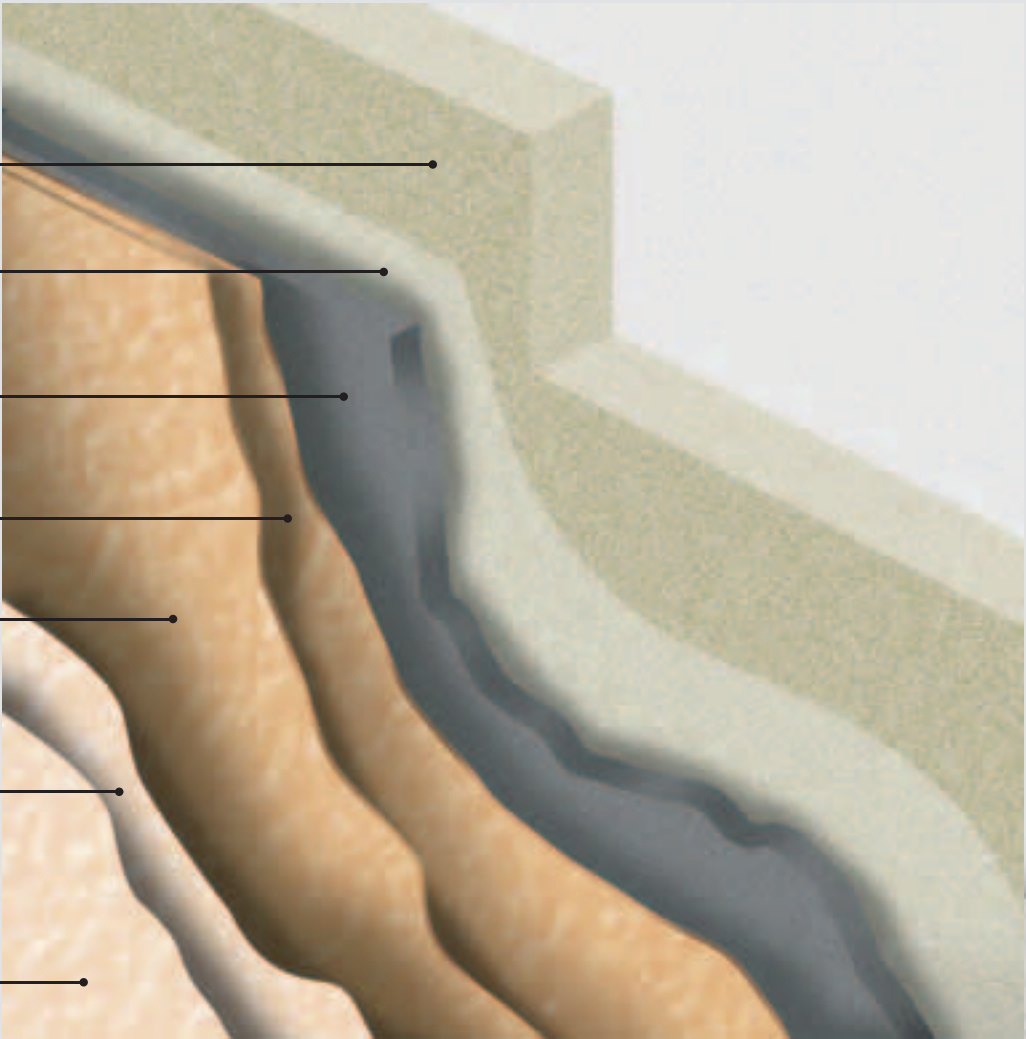
Specification

Lightweight concrete block and panel texturing system

Product Guarantee Period 7 years from date of practical completion

Workmanship Guarantee Period 5 years from date of practical completion

System Construction

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- Lightweight concrete substrate
 - Solvent sealer
 - Aerated concrete flushing plaster base coat
 - Levelling coat
 - Selected Plaster Systems Texture Coat
 - 1st coat Insulcote 100% acrylic paint system (in specified colour)
 - 2nd coat Insulcote 100% acrylic paint system (in specified colour)

What is Autoclaved Aerated Concrete (AAC)?

Autoclaved Aerated Concrete (AAC) is a lightweight concrete substrate that is available as either panel or block from several suppliers who also provide details for installation of their own systems, this sheet details the subsequent texturing of those systems.

Advantages

- Lightweight concrete construction
- Attractive monolithic textured finish
- Flattens walls and hides joints

Application

Substrate

Lightweight concrete panels or blocks should be laid flat and detailed in accordance with the manufacturers instructions.

Preparation

Surfaces should be clean and dry free from dirt moss mould, excess grout should be removed. Movement control joints should be installed and complete. Then a single dilute coat of Plaster Systems Solvent Sealer can be applied to the whole wall to assist with controlling suction during plaster application.

Meshing

Apply pre-meshed corner beads to all edges and corners, 400 x 100 butterfly bandages diagonally to the corners of all windows and doors. Any other areas susceptible to cracking should be treated with control joints in accordance with the substrate manufacturers specifications.

Flushing

AAC flushing plaster can then be applied to the whole wall areas in a single coat using Darby, screed and/or steel float to obtain a smooth level finish of approximately 5 mm thick proper setting of corner beads will assist in achieving straight lines. A leveling coat appropriate to the final texture can then be applied thinly to the whole wall area.

Texturing

The desired texture from the Plaster systems range can now be applied. Options are Ezytex, Adobeplast and Formstone which are painted over with two coats of Insulcote paint.

Painting

Paint in accordance with the chosen texture specification. Insulcote paint is recommended plaster requires 2 – 3 days curing before application of the Insulcoat paint. Walls should be dry when painted.

Meshing

150 gsm coated Insulclad mesh can be used in the first coat of AAC flushing plaster and this provides flatter walls with less chance of cracking or blocklines showing. It is however not a total guarantee against cracking as a concrete wall that cracks creates forces which standard mesh's are unable to cope with. There is no substitute for proper placing of the substrate.

Accessories

PVC corner beads plain or premeshed can be used to form straight corners by pushing them into wet plaster with a straight edge

BrickVents are used to provide ventilation into the cavity, do not block ventilation slots to the cavity with plaster they are provided for a reason.

Special Notes

This system will provide waterproofing to the wall surfaces when properly painted however it is the responsibility of the designer and builder to provide and install adequate detailing for penetrations and tops, refer to the suppliers of the AAC block or Panel for these details

Movement control joints must not be plastered over as they will crack, the sealant line should be brought out flush with the finished texture level.