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SSS013: Substrate Specification Sheet 13 - PPX

Armourcoat PPX (Polished Plaster Exterior) System - Basecoat Substrate Specification Sheet

1 Introduction

Armourcoat PPX is a mineral render system made from crushed marble, limestone, lime, cement and hydrophobic polymers. The Armourcoat PPX system comprises of a primer, mesh reinforced PPX Basecoat, PPX Topcoat plaster and surface sealer. The Armourcoat PPX system can be applied directly to the substrate or applied over an insulation layer to provide an external wall insulation system EWI.

2 Brick, block and concrete

For substrates such as masonry, dense concrete blocks, lightweight aerated concrete blocks, in situ concrete and thin joint autoclave block systems, PPX Basecoat can be applied to a maximum of 6mm thickness, in preparation for the application of PPX Topcoat. If tolerances exceed +/- 3mm in a horizontal, vertical or diagonal plane, Armourcoat recommend the prior application of a sand cement render which needs to be allowed to fully cure before the application of the PPX Basecoat. This should be ruled flat in every direction to ensure the substrate meets the specified tolerances.

3 Cement board

The Armourcoat PPX system can be applied directly onto cement board. Install the cement board with suitable fixings in line with the manufacturer's recommendations. When working around windows or door openings, it is important not to join two boards at the corner as this is a natural stress point. Cut the corner section out of a single board and fix this around the opening. Some systems include the application of a mesh at the joints prior to the application of the mesh render system. We consider this to be good practice for avoidance of hairline cracks at panel joints and so for systems that do not have this requirement as part of their installation procedure we do recommend the application of a secondary mesh over the joints that is 150mm in width or the application of a second layer of boards with staggered joints.

For full instructions please see SSS009: Substrate Specification Sheet 9 - Render Board.

4 Board systems tested with PPX basecoat

- Siniat Blueclad
- RCM Renderflex
- Euroform Rendaboard

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