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Product Data Sheet PDS053: Acoustic Base Panels

1 Product Description

Armourcoat Acoustic Base Panels consists of a mineral wool panel that has been pre coated with a resin bound layer of lightweight recycled glass beads. The coating layer provides a firm and flat surface that can be plastered directly over using the Armourcoat Acoustic Plaster.

2 Dimensions

- Armourcoat Acoustic Base Panel size 1000mm x 600mm. Each panel covers 0.6m²
- Armourcoat Acoustic Base Panels available in thickness of 26mm and 46mm
- Armourcoat Acoustic base panels are also available in 36mm & 66mm as special order
- Panel width 600mm +/- 1.5mm
- Panel Length 1000mm +/- 5mm
- Panel thickness 27, 37, 47 & 67mm +/- 0.5mm

3 Weight and Density

- Armourcoat Acoustic Base Panel 26mm approximately 1.96kg each (3.26kg /m²)
- Armourcoat Acoustic Base Panel 46mm approximately 3.00kg each (5.00kg/m²)
- Density of Glasswool board 85kg/m³ +/- 5kg/m³
- Density of board coating 280kg/m³ +/- 15kg/m³

4 Thermal conductivity

Armourcoat Acoustic Base Panel thermal conductivity of approximately 0.038w/mK

5 Environmental

Armourcoat Acoustic Base Panels are manufactured using 75% post consumer recycled glass. The 5-7mm coating layer is made primarily from 90% post consumer recycled glass. Armourcoat Acoustic Base Panels have zero VOCs.

6 Health and safety

Protective gloves, eye protection and dust masks should be worn at all times when handling or installing all elements of the Armourcoat Acoustic Panel System.

7 Installation

Armourcoat Acoustic Base Panels can easily be cut with a handsaw or cutting blade. They are adhered to the substrate using Armourcoat Bondplast. Mix the Armourcoat Bondplast to a workable consistency and apply to the back of the panels using a 6mm notched trowel. Adhere panels to the substrate in an offset block pattern making sure each panel is tightly butted up to the adjoining panels.

8 Fire rating

Armourcoat Acoustic Base Panels have been tested as part of a complete system including the Armourcoat Bondplast adhesive and

Acoustic Topcoat plaster. The test results show the panels are deemed to be non combustible Class'0' BS 476 Pt 6 & 7.

Glasswool board Calorific value tested to EN ISO 1716 - 2.35mj/kg

Board coating Calorific value tested to EN ISO 1716 - 2.55mj/kg

9 Storage

Armourcoat Acoustic Base Panels should be stored in dry conditions out of direct sunlight.

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