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Product Data Sheet PDS057: Armourcoat Acoustic Plaster Panel Joint Filler

1 Product Description

The Armourcoat Joint filler is used to fill the joints between the Armourcoat Acoustic panels and fill out the surface up to beads or partresses to achieve a flat surface ready for the application of Acoustic plaster.

The Joint Filler kit comprises of two components:

Lightweight granulated foamed glass aggregate 0.5-1mm made from recycled glass (20 litres)

Filler resin solution for mixing with the recycled glass aggregate. (4.8 litres)

The lightweight glass aggregate and filler resin solution are mixed together on site to a creamy consistency which is used to fill the joints between the panels. This is allowed to dry out and is then sanded back so that it is flush with the surface of the acoustic boards.

2 Properties

- Lightweight mineral made from expanded glass foam granules with 85% recycled content
- Resin liquid solution made from Acrylic polymer combined with thickeners and biocide.
- contains no VOCs
- Mixed Viscosity approximately 10,000 - 15,000 cp
- Dry density 280kg/m³ +/- 15kg/m³

3 Health and Safety

A dust mask and gloves should always be worn when mixing or handling these system component products. A dust mask, eye protection and gloves should be worn during the installation of the panels and the sanding process. If contact occurs with any system component wash affected areas with soap and water.

4 Mixing Instructions

For areas greater than 50 sq metres mix the entire bucket of filler granules with the Filler resin solution using a plaster mixing drill fitted with a helical mixing paddle for 1- 2 minutes to achieve a smooth creamy consistency.

For smaller areas use the measuring cup provided in the filler kit to measure the filler granules and resin solution in the correct proportions.

Mix the filler granules with the resin admixture in the ratio of 4 parts Filler granules : 1 part filler resin liquid.

Once mixed the Filler will be workable for 10-20 minutes after which time it will start to feel a little dry as the fine air bubbles combine. Remix with the mixing drill to make the mix creamy again. Small amounts of additional water may be added if necessary to achieve a workable mix.

5 Application Instructions

Using a spatula or trowel apply the joint filler and then press with a flat blade to press it firmly into the joint. Do not try to trowel or scrape off the excess material as it is always best to leave the filler proud of the surface of the panel so it can be sanded back flush.

Do not try to work the filler too much as it will just start to crumble and fall out.

When dry the filler will sand down very easily so it is not a problem to leave excess filler proud of the surface of the acoustic boards.

6 Drying times

The drying time of the filler is very dependent upon many factors including the width and depth of the joints, the temperature and humidity on site and the amount of air flow or movement over the surfaces.

With good drying conditions (20 - 25 °C and Humidity below 60%) the filler will take 24- 48 hours to dry.

In poor conditions (10 - 12 °C and Humidity above 80%) the filler may take 4-5 days to dry or even longer.

7 Coverage Rates

1 unit of Joint Filler (20 litres Joint Filler Powder and 4.8 litres Joint Filler Liquid) will cover approximately 50 - 60 m²

8 Storage

Store the Filler components in temperatures between 5°C and 25°C.

9 Shelf Life

Armourcoat Panel Joint Filler resin has a shelf life of 1 year. Joint filler granules are entirely inert and have an unlimited shelf life

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