

Base & Adhesive

Surface Render For Polystyrene Sheet



Product

Base & Adhesive is a high polymer modified set controlled single component cementitious fairing and adhesive mortar with high strength and flexibility.

Description

Base & Adhesive is a fairing and adhesive mortar that can be applied in thickness from feather edge to 10mm. This mortar is off white in colour and exhibits very high adhesive properties to common substrates such as EPS concrete or masonry. When used as a fairing mortar over EPS masonry or other surfaces the material may be used as a patching or levelling medium as well as a bedding for reinforcing tapes or fibres. When used as adhesive for sheathing, application with notched trowel is recommended.

Recommended uses

- Thin layer patching for vertical, horizontal or overhead applications.
- Levelling of uneven surfaces prior to coating.
- Repairs where good abrasion resistance and compressive strength is required.
- Adhesive for EPS or exterior gypsum board or compressed cement fibre board, masonry and concrete. Adhesive is compatible with the interchangeable substrates.
- Adhesive and fairing of alkali reaction controlled fibre glass tapes and scrim mesh to plaster EPS and cement fibre board construction systems.
- Rendering application over concrete, brickwork, masonry.

Features & Benefits

- ✓ Single component system with pre blended powder - simply add water and mix.
- ✓ High bond strength.
- ✓ High compressive strength.
- ✓ Feather edge thickness to 10mm.
- ✓ May be applied with straight or notched trowel.
- ✓ No priming or curing required.
- ✓ Durable, low water permeation, and hydrophobic action.
- ✓ Polymer adhesive unaffected by water.
- ✓ Can be used as adhesive to common construction substrates as well as fairing mortar to the same substrates.
- ✓ Pleasant pale colour which may be decorative as provided or provides neutral background for future texture coating or painting.
- ✓ Oxide colour may be added to provide individual colouring.

Water Requirements

4.0 - 4.4 litres per 20kg bag

Packaging

Base & Adhesive is supplied in 20kg polylined bags.

Application Instructions

Surfaces must be free from any coating or residue that may inhibit bond. Surfaces must be clean and dry and the application temperatures above 5° and less than 35°. Direct sunlight high temperatures and wind will reduce the available working time requiring care in overextending the working area with applied material.

Mixing

For each 20kg bag of Base & Adhesive measure 4 - 4.4 litres of clean potable water. Add water to the mixing vessel and add the contents of the bag as a steady flow while mixing. Mixing should be done using a mechanical forced action mixer with a high shear stirrer. Mixing should proceed for a minimum of 2 minutes after all powder has been added to the water.

Placing - As Adhesive

For normal applications notched trowels of 16mm and 8mm are required for concrete or masonry and EPS or compressed cement board or panels respectively. One entire surface to be bonded should be coated with the notched trowel. The surfaces should be brought together firmly to flatten the adhesive ribbons. In some instances a slight shearing action may assist this procedure, particularly if this adhesive is prepared as a stiff consistency.

Placing - As Fairing Mortar

Application follows standard practice in smooth trowelling over the substrate. Recommended thickness varies from feather edge to 10mm.

Placing - Render Coat

Base & Adhesive combined with reinforcing tapes scrims and meshing and applied to construction boards and panels will provide a stable system with high bond coupled with flexibility. When bedding reinforcing scrims or meshing the primary coating of 1.5-2.5mm should be applied with stainless steel trowel. The mesh then bedded into the coating with a trowel so no mesh is visible at the surface. The thickness of the primary coating may require to be varied to provide complete embedment of the reinforcing medium.

Pot Life

Base & Adhesive has considerable working pot life as elevated temperatures. At 25-30° pot life is expected to be over 3 hours. The pot life of useful working time for applied fairing render or primary coating is greatly dependent on the thickness and drying conditions. A skim coat of less than .5mm in thickness at elevated temperature may only provide 30 minutes working time. Thickness provided by notched trowel over EPS sheet under warm conditions are expected to have approximately 1 hour open time.

Coverage

20kg bag of Base & Adhesive mixed with 4.3 litres of water will produce approximately 15 litres of compound. At an application rate of 4mm, approximately 3.8 square metres may be covered. At 1mm approximately 15 square metres may be covered.



Storage

Base & Adhesive has a minimum shelf life of 12 months if kept in a dry environment.

Clean Up

Base & Adhesive should be removed with water from tools and equipment immediately after use

Health & Safety

This product is classified as hazardous according to criteria of Work Safe Australia. Material containing Portland Cement and sand now fall into this category. Continuous or extended contact with this product may cause irritation as well as respiratory issues such as bronchitis or silicosis.

- During use avoid inhalation of dust, contact with skin and eyes.
- Suitable protective clothing, dust masks, gloves and eye protection should be worn.
- Continual or extended contact with cement products can cause skin irritation.
- If skin irritation occurs, remove contaminated clothing and flush skin thoroughly with water for a minimum of 15 minutes. Contact Poisons Information Centre or consult medical adviser.
- Material Safety Data Sheets (MSDS) are available on request from the Sure Level office. Read the MSDS and product data sheet carefully before using any product.

Disclaimer

Please Note: Recommendation and advice regarding the use of this product is to be taken as a guide only and Sure Level Pty. Ltd. shall not be liable for any inaccuracy in the information or for any loss, injury or damage whatsoever resulting from its use. To the full extent permitted by law, Sure Level Pty. Ltd. liability is limited at it's discretion, to the replacement of the goods or the supply of equivalent goods.

Fire

Base & Adhesive is non flammable.

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