

BASE RENDER



Technical Data Sheet



Combining exterior cladding with superior insulation.

Insulclad Base Render is a polymer modified cement based render that is one of the components of the Insulclad exterior insulated rendered wall system. It is a specially formulated system that has enhanced adhesion and water resistance properties that combine to give the Insulclad Rendered Wall System its Supertough qualities. It provides a special bond between the polystyrene board, fibreglass reinforcing mesh and the finish renders. Refer to your supplier for the other render products that are available from the Insulclad range.

Insulclad Base Render can be used as:

- As a base coat render on Insulclad Core Panel polystyrene system or,
- As joint patching on the Insulclad Pre-Mesh Panel polystyrene system when mixed with Insulclad Joint Patch and Primer Additive.
- As a base coat for blue board, Hebel, brick or block work, and other masonry substrates.

Refer to www.insulclad.com.au for installation manual when installing the Insulclad Rendered Wall System for both Core Panel and Pre-Mesh polystyrene systems.

BASE RENDER

Mixing

Base coat on Insulclad Core Panel system:

- The mixing ratio of Insulclad Base Render is 20kg of powder to approx. 5.5ltr of water (mix rate may vary depending on site and weather conditions).
- Pour clean water into a drum and then gradually add the Insulclad Base Render while mixing continuously until a smooth lump free mix is obtained. Always add powder to liquid.
- Allow the mix to stand for 10 minutes, restir and then apply onto surface bedding in reinforcing mesh to cover entire board surface.

Joint patching on Insulclad Pre-Mesh system:

- Mix Insulclad Joint Patch and Primer Additive and water at 1:1 ratio to make up approx. 5.5ltr of mix.
- Pour mix into a drum and then gradually add 20kg of Insulclad Base Render while mixing continuously until a smooth lump free mix is obtained. Always add powder to liquid.
- Add more water only, to mix if a thinner consistency is desired. (mix rate may vary depending on site and weather conditions).
- Then apply to all board joints to bed in 200mm wide reinforcing self adhesive mesh.

Application

- Insulclad Base Render can be sprayed or pumped with certain types of equipment. Check to see if this product is suitable for the machine with a small trial application. When applying by trowel use conventional hand rendering techniques.
- Apply Insulclad Base Render only when the temperature is between 5°C to 38°C.

- Refer to www.insulclad.com.au for render coat sequence guide when installing the complete Insulclad Rendered Wall System for the application steps that make up the full render system when using polystyrene wall panels as a substrate.

Curing

- Newly applied render should be protected from hot drying winds, rain and water run off for the first 24 hours or until the initial hydration takes place.
- Subsequent coats can be applied after approx. 24 hours drying time (drying time may vary depending on site and weather conditions).
- Allow at least 5 days for curing (depending on weather conditions) before painting.

Coverage

Reinforced mesh base coat on Insulclad Core Panel system:

- Approx. 4m² per 20kg bag when applied at min 3mm thickness.

Joint patching on Insulclad Pre-Mesh system when mixed with Insulclad Joint Patch and Primer Additive:

- Approx. enough jointing at 200mm wide to cover 25m² of wall area per 20kg bag.

Storage & Shelf Life

- Bags of Insulclad Base Render must be stored in a dry area, preferably off the floor on a timber pallet. Rotate the stock to ensure the oldest material is used first.
- Max 12 months shelf life when stored in the manner described above and in the manufacturer's original packaging and packaging is unopened and in original condition as supplied by the manufacturer.

Cleaning

- Insulclad Base Render can be cleaned off tools and equipment with water provided the compound has not dried out.
- Excess render can be cleaned from face of surface using a clean damp cloth while still wet.

Health & Safety

- The powder is an irritant and may contain respirable silica. Paper dust protection masks must be worn while the product is being mixed.
- The wet compound is alkaline and prolonged skin contact should be avoided. People with sensitive skin must wear rubber gloves when handling this product.
- Material Safety Data Sheets are available at www.insulclad.com.au

Properties	Results
Appearance	Grey Powder
Coverage	Up to 4m ² @ 3mm
Dry Time @ 20° C	24 Hrs
Pot Life	45 mins pending conditions

Recommendations and advice regarding the use of this product are to be taken as a guide only. Foamex Polystyrene Pty Ltd shall not be liable for any inaccuracy in the information given or for any loss, injury or damage whatsoever resulting from its use. Our products and systems are dependent upon the correct preparation and application of all the components in strict accordance with the relevant written instructions. On-site application is beyond our control and Foamex Polystyrene Pty Ltd cannot guarantee workmanship or the correct preparation and application of its products or systems.