

Technical Data Sheet

EPS STYRENE RENDER

PRODUCT DESCRIPTION

Quikcote EPS Styrene Render is a superior quality dry mix, cement based, high polymer render developed specifically for use as a Base coat render on EPS – Expanded Polystyrene panels. It has excellent adhesion, flexibility and strength.

Quikcote EPS Styrene Render provides the ideal base for the subsequent application of variety of top coat’s including Quikcote Decorative Finishes.

PRODUCT: EPS STYRENE RENDER

| PACKING | COVERAGE | THICKNESS |
|------------------------------|--------------|-----------|
| 20Kg Bag | 5-10 SqM/Bag | 2-4mm |
| Application Method | | |
| Steel Trowel/ Foam float | | |
| Drying Time | | |
| 7 days, max strength 28 Days | | |

SUITABLE SUBSTRATES

- Specific Polystyrene Panels surface (EPS)

SUBSTRATE PREPARATION

- Areas not to be coated should be masked and protected.
- All surfaces to be rendered must be dry, clean, sound and free from contaminants including; oil, mould release, dust, dirt, silicone, mud, grease, salt, efflorescence, animal droppings and any loose or flaking material.

APPLICATION

Tools/Machinery Required: Hawk & Steel trowel, Polystyrene float, plastic floats, straight edge, sponge, power mixer, masking tapes, drop sheeting.

- Mix one (1) 20Kg bag of EPS Styrene Render to @ 4 - 5 litres of clean water using a power mixer.
- Add the Dry Mix water steadily while mixing with a power stirrer until the consistency is creamy and lump free.

- Allow the mix to stand for 5 minutes, remix before use or before adjusting consistency if required.

FOR POLYSTYRENE PANELS

This is a two coat system;

- Apply the first base coat of EPS Styrene Render onto the panel at a thickness of @ 3-4mm using a steel trowel with enough pressure to adhere the product. Whilst the base coat is wet embed a full layer of alkali resistant 160gm/m² (5mm x 5mm) fibreglass mesh ensuring that the mesh pieces overlap by a minimum of 100mm at mesh joints. Panel joints should be evenly covered with the same embedded mesh (avoid overlap of mesh joints near the main panel joint). Strips of mesh at 45 degree angle or equivalent, 300mm long by 100mm wide, should be embedded across the corner of all window and door openings. Level and finish of the first base coat using a polystyrene float.
- On firming of the first coat (1-2Hrs set time) apply a second coat of EPS Styrene Render at a thickness of @2-4mm. On setting use a polystyrene float, finish the surface to produce an even, uniform and level surface.
- This is a two coat system and a minimum thickness of 6-7mm should be achieved.

Clean-Up

- Clean up with water

Important Notes

- General Guide to hardening/drying – render will reach maximum strength in 28 days from application.
- No guarantee for joints cracking due to expansion and contraction of the surface.
- Product drying time will vary depending on the ambient weather conditions and substrate porosity and moisture content, avoid application on hot surfaces or in hot windy conditions

Technical Data Sheet

EPS STYRENE RENDER

- Check local weather conditions before application. Do not apply if poor weather is anticipated. Product should be applied at ambient and substrate temperature of between 10 degree C and 30 degree C and where the temperature is at least 5 degrees above the ambient dew point (or relative humidity of below 50% as an alternate guide).
- Coated area must be protected from damage until the completion of the project; finished work must be protected from rain, frost and severe weather conditions until fully dried.
- Primer/ Paint coatings should not be applied to mineral coating until sufficiently hardened and dried.

TECHNICAL DATA

Appearance: Sandy Dry Powder, off white/Grey with slight odour.

Type: Cement based mineral binder plus polymer

Specific Gravity: 2.5-2.6 Kg/L

Bulk Density: 1650-1850Kg/m³.

Particle Size: <2mm

Flammability: Not Applicable.

OTHER CONSIDERATIONS

Shelf-Life – Unopened Bags

Maximum 1 year from date of manufacture when stored in dry condition.

Transport & Storage

Store in a dry place, off floor level, preferably on pallet.

SAFETY AND HANDLING

This material is hazardous according to criteria of NOHSC.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

For further information or Material Safety Data Sheet on Quikcote EPS Styrene Render, please call (03) 9303 7791 or visit www.quikcote.com.au

Please Refer to Material Safety Data Sheet before use;

When working with Render observe the usual precautions for handling cement based products, including the following;

- Avoid inhalation of the dust, wear suitable respiratory protection mask, avoid prolonged skin contact with wet mortar and eye contact (contains sand based crystalline silica and alkaline cement)
- Wear protective clothing to minimize skin contact and wear goggles where splatter is likely



FIRST AID MEASURES

Ingestion

If swallowed, wash out mouth with water. Do **NOT** induce vomiting. Drink at least two (2) glasses of water. Seek medical attention.

Eye

Wash with copious amount of water for 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into non-affected eye. Seek medical attention.

Advice to Doctor

Treat symptomatically

WARRANTY & LIMITATIONS

Please refer to Manufacturer's Warranty documentation;

The liability of Quikcote Victoria Plaster Technologies Pty Ltd (Quikcote) for any loss, damage or other expenses (whether incurred directly or indirectly) in connection with use of Quikcote EPS Styrene Render is limited to as under;

- Quikcote provides a material only replacement warranty caused by any defect in manufacture when used in conjunction with the full Quikcote Wall-Coating System for a period of ten years when applied correctly by a skilled and experienced applicator in accordance with all current application recommendations as per and the Quikcote Wall coating System composition recommendation, including but not limited to, substrate type and preparation, application rates and methods, prevailing weather conditions and protection of finished work. Application dates, quantities must be recorded and supplied as a minimum to commence potential product failure investigation.
- Quikcote provides no warranty, expressed or implied, against damage due to movement of the substrate or structure, and provide no warranty towards joints cracking due to movement, expansion and contraction.
- This product should be used in accordance with directions which are only a guide. Quikcote accepts no responsibility for inappropriate use or faulty workmanship. All mineral earth based aggregate /course filler based renders and textures will contain a low percentage of carbon and/or ferrous contaminants and can occasionally spot the surface. All care is taken in raw material selection to minimize such effects. Quikcote accepts no responsibility for this occasional occurrence.

Disclaimer:

- The information and recommendations contained herein are based on tests and data believed to be reliable and are issued for your guidance. However we cannot accept any responsibility for the results as the use and application of the product is beyond our control.