

INTRODUCTION

QCRX5589-20kg QC EPS Render 20kg

DESCRIPTION AND IMAGE

Quikcote EPS Render is a quality dry mix, cement based, high polymer render developed for use as a Base coat render on EPS – Expanded Polystyrene panels. With strong adhesion, flexibility, and strength, Quikcote EPS Render provides the ideal base for the subsequent application of variety of Quikcote texture and topcoat finishes.



FEATURES AND BENEFITS

- EPS – Expanded Polystyrene Render
- High Polymer content for adhesion to smooth surfaces that would not otherwise accept a traditional render.
- Controlled formulation.
- Good adhesion.
- Pre-packed.
- Minimal drying shrinkage.

USES

- Expanded Polystyrene Panels (EPS)

TYPICAL SPECIFICATIONS

Typical System

Title:
Typical System for New EPS Expanded Poly Styrene [Exterior]

Preparation Guide

Substrate Notes

Polystyrene is type of plastic. It is a polymer made from the monomer styrene, a liquid hydrocarbon that is commercially manufactured from petroleum by the chemical industry. Polystyrene is a thermoplastic substance; it melts if heated and becomes solid again when cool.

Polystyrene is most found in three forms. Rigid Polystyrene (PS), Expanded Polystyrene (EPS) and Extruded Polystyrene (XPS).

Expanded polystyrene foam has good insulating properties making it important as a non-structural construction material.

EPS panel is manufactured to Australian Standard AS1366 Part 3 ~ 1992.

The EPS panel is produced from expanding or blowing polystyrene and will contain additives insecticides, Fire Retardant to form a lightweight building panel with insulating properties that can enhance the energy efficiency of a building.

The EPS and Composite Panel can be used in Class 1 and 10 building applications and can be fixed to steel, timber, and masonry.

EPS building panels contain a fire-retardant but must be considered combustible and should not be exposed to open flame or other ignition sources and may constitute a fire hazard if improperly used or installed.

Fire-retardant EPS panels when in contact with a flame, will burn but collapse on itself and extinguish when the flame source is removed.

Under the National Construction Code

EPS cladding products can be used in Classes 1 and 10 construction, relative to system and project design certification such as detailed under the CodeMark System or as a performance solution.

Substrate Preparation Notes

Base Sheet will be installed and fixed in accordance with Substrate Supplier's fixing and installation guidelines, including weather management systems (flashing & cavity) and be approved and certified to Local Building Codes or other local regulations. All fixings will be non-corrosive and suitable for the exposure location.

Raw sheet surface will NOT be left exposed to degrade causing the surface to discolour, harden or change surface properties.

Application surfaces will be abraded or profiled to provide mechanical key for maximum adhesion and de-dust.

Remove all surface contaminants such as oil, grease, or dirt.

Wash and/or Broom / Scrape down to remove all contaminants and friable surface materials.

Coating System Summary

Prep Coat	Quikcote E.P.S. Render + alkali-resistant 160gm/m ² mesh
Intermediate	Quikcote E.P.S. Render
1 st Coat	Sealer
2 nd Coat	Quikcote Trowel Texture Coarse
3 rd Coat	Quikcote Texture Topcoat
4 th Coat	Quikcote Texture Topcoat

Notes:

Avoid the finishing of these Claddings Systems with dark colours - these may raise the surface temperature of the EPS and damage the cladding system. Use colours with a LRV greater than 35%.

This coating recommendation does not constitute Dulux endorsement of this/any walling or cladding system or the suitability of building envelope / building system to meet the specific requirements of a given project.

Users of this recommendation will satisfy themselves of the suitability of this substrate /coating guide / advice, relevant to their specific project long term requirements. In all cases Building System Design must conform to relevant Local / Building Codes or regulations and be in accordance with substrate supplier's recommendations.

Users must make their own determinations as to the suitability of this building system/ material relevant to their specific requirements.

TYPICAL PROPERTIES

V.O.C. Content

Not available.

Clean Up

Clean up water Clean all equipment with water after use.

Application Methods

- Steel trowel.
- Foam Float.

Specifications

	Solids by Volume	
	100	
	Min	Max
Wet Film Per Coat (microns)	3000	6000
Dry Film Per Coat (microns)	3000	6000
Theoretical Spread Rate (m ² /L)	0.3	0.2

Drying Time

Drying Time

	Min	Max
Recoat Time (min/hours)	7-10 days	Indefinite

Typical Property 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. 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°C and 30°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.

APPLICATION GUIDE

Surface 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 Procedure and Equipment

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.

HEALTH AND SAFETY

SDS Number

SDS Link

DLX004288

[View SDS Link](#)

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Using Safety Precautions

Mixed cement pastes are alkaline and can cause skin irritation.

Wear rubber gloves and suitable coverage of skin (e.g. long sleeves) to avoid skin contact.

Wear appropriate respiratory/ Dust mask and do not breathe dust or mist.

PRECAUTIONS AND LIMITATIONS

Quikcote EPS Render must only be applied when temperature is between 10-30°C. Thin bed renders will not hide imperfections, rough surfaces or poor preparation.

Quikcote EPS Render cannot be tinted.

Quikcote EPS Render designed for EPS Foam.

Users must make their own determinations as to the suitability of this material relevant to project requirements

TRANSPORT AND STORAGE

Line Shade /Pack A

QCRX5589-20kg

Shipment Name

Not dangerous goods. No special transport requirements.

Size

20 Kg

Weight

20 Kg

Disclaimer:

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Any information provided in this Data Sheet is given in good faith and is believed by Quikcote to be correct at the time of publication. Products and coating systems can be expected to perform as indicated in this Data Sheet, provided the substrate is in good condition, the coatings are applied by a suitably experienced and skilled applicator, and the preparation, application and maintenance is followed strictly as set out in this Data Sheet, and as recommended on the applicable Safety Data Sheets for the relevant products, available from www.quikcote.com.au. Climatic conditions at application time can affect product suitability and performance.

The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Quikcote does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

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WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.