

EESyWall™

TECHNICAL DATA

PRODUCT TYPE

A pre-blended, polymer modified cement render.

DESCRIPTION

Key: EIFS= Exterior Insulating Finishing System

EESyWall™ is a polymer modified, mineral based, trowel-on render that was developed to provide an acrylic render with application properties similar to that of a traditional sand cement render. The product is for use as the final leveling coat over EcoEnergy® Lightweight Building Panels after their on site installation in wall and fencing systems.

The product is supplied in a 20 kg paper sack. On site mixing requires only the addition of fresh clean water to achieve a smooth workable paste at a desired consistency. No additional polymer additives are required and should not be added.

The product is a pre-blended powder mix that contains premium grade crushed marble, Type HE Portland Cement, conforming to Australian Standard 3972 and proprietary additives that provide an exact performance profile suited to its intended use.

The product is modified with very high levels of flexible polymers and hydrophobic agents that ensure a well adhered render with excellent resistance to water, efflorescence or rising damp.

EESyWall™ is for over-coating with acrylic textures and coatings while in combination providing strong inter-coat adhesion.

EESyWall™ bonds to most mineral and new construction surfaces and exhibits minimal to no drying shrinkage.

PROPERTIES

The exact composition of the product's aggregate shape, size and proprietary additives provides unique application properties for the applicator and EIFS.

The product is tight to apply but results in a wet render that can be floated with a polystyrene foam float with minutes of its wet application.

The product was developed to provide a render with the benefits of acrylic technology that could be used in both thin and thick section.

The product can be used in thick layers as a render up to 15mm. Alternatively, the product can be applied in one tight uniform thin section as a skim coat down to 3mm with the confidence of no edge lifting.

The product has very low trowel stick, good workability, high slump resistance and provides long open time for the applicator to complete the entire leveling or floating process with ease.

As the final skim coat in the EIFS, the product chemically bonds to EcoEnergy® lightweight building panels with tenacious adhesion. The product is very flexible, waterproof and remains unaffected over long periods of time by building movement, water, efflorescence or rising damp.

TIME AND COST SAVING

EESyWall™ is quick to apply. It requires less clean up than a standard cement render and offers greatly reduced curing time before the application is of a texture finish. Under normal conditions, the application of a texture coating may be commenced one day after its application.

KEY PROPERTIES

- Very strong wet adhesion.
- Long open time for good workability.
- Floats well.
- Minimal to no drying shrinkage.
- Flat uniform appearance.
- Good water resistance.
- High polymer concentration for strong bond.
- Environmentally friendly.
- Rapid cure and bond strength.
- Excellent resistance to alkali and efflorescence.

SUBSTRATES

- EcoEnergy® Lightweight Building Panels.
- Masonry substrates
 - Concrete Block
 - Wire cut clay block
 - Unglazed brick

SURFACE PREPARATION

1. All surfaces must be structurally sound, clean, and free from surface contaminants such as, dirt, dust, oils, grease, silicones and release agents.
2. Remove any loose mortar splashes and cut back protruding block or tie wires
3. For normal concrete block no further preparation is required.
4. Any deep hollows or surface misalignments should first be pre-filled and struck smooth.
5. High suction surfaces can be sealed with Astec's Rapid Sealer to aid application in hot dry weather.
6. All release agents must be completely removed from tilt up panel.

If unsure, contact SA Ceiling & Wall Systems for the correct preparation technique, sealers, primers and undercoats before proceeding.

MIXING:

The powder is added to the gauging water whilst being stirred vigorously with a mechanical stirrer until a trowelable consistency is reached, usually 30 seconds to one minute. The mix is left to stand approximately 5 minutes before adjusting the consistency with additional water if required. Care must be taken not to mix excessive air into the mix.

APPLICATION TECHNIQUES

Skim Coat Texture

1. To apply the product as a skim coat, (3mm), use a hawk and stainless steel trowel. The application should occur in two passes, a light first pass followed by a second leveling pass.
2. Allow the product to stand for a short period, allowing for surface moisture to stabilize then any remaining ridges can be smoothed by float finishing with a polystyrene foam float.

Render

1. To apply the product as a render, (10mm), use a hawk and stainless steel trowel. The application should occur in two passes, a light first pass followed by a second light, leveling pass.
2. Allow the product to stand for a short period, allowing for surface moisture to stabilize then screed with a 1200mm straight edge or darby to a uniform surface. Any remaining ridges can be smoothed by float finishing with a foam float.

Always terminate the application above a damp course line. Never bridge a damp course.

PRECAUTIONS FOR USE

Avoid contact with skin and eyes; always use a dust mask during mixing.

PRODUCT DATA

Pack Size	20kg Paper Sack
Mix activation water.	3.0 to 3.4 liters per bag.
Drying Time at 25°C @ (55% Relative Humidity)	8 hours, (Dry times will vary with changes with substrate, temperature, humidity and residual moisture in the substrate).
Recommended thinners	Water
Wash up	Water
Recoat time at 25°C	2 to 4 hrs
Minimum application temperature	5° C
Finish colour	Greenish grey
Durability	Exterior/Interior (must be top-coated)
Curing	Not required

COVERAGE

Calculation =1.68kg m2 per 1mm thickness

COATING THICKNESS	m2 /20kg bag	kg/m2
Theoretical spread rate @ 2mm	5.95	3.36
Theoretical spread rate @ 4mm	2.98	6.72
Theoretical spread rate @ 6mm	1.98	10.08
Theoretical spread rate @ 10mm	1.19	16.8

LIMITATIONS

- Should not be applied over cement sheet or previously painted surfaces
- Should not be applied in temperatures below 3 degrees C or in very hot and windy conditions or above 35 degrees C
- Protect from freezing temperatures for 24 hours after application
- Protect from heavy rain for 8 hours after application.

WARRANTY

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