



# Product Data Sheet

## EP Render

### DESCRIPTION

*EP Render* is a pre-bonded (10% wet bond equivalent), polymer modified, cement based render which requires only the addition of clean water. Suitable for application by hand or machine, *EP Render's* **dual binding system** is perfectly suited for use over RSA approved polystyrene building systems, AAC Hebel and masonry substrates. It offers the following substrate focused features:-

- A less rigid formulation (slightly less cement) than conventional pre-bagged renders.
- Softer, less rigid bonding agents (glue).

*EP Render* also contains well-graded sand for a more compacted render formulation providing:-

- Increased impact resistance and strength when compared with conventional pre-bagged renders.
- Improved cohesion of render
- Long term coating integrity.

### ADVANTAGES

***EP Render* contains a unique powdered bonding agent (glue) to work with the binding power of the cement, (ie: a 'dual binding system'), which ultimately:-**

- Speeds up and simplifies the on-site mixing process.
- Offers 'sag resistant' render for faster straightening via the use of darbies.
- Offers tear resistant screedability.
- Provides an extended 'hang time' for greater productivity and high early hardness.
- Increases adhesion to all suitable, properly prepared substrates.

- **Guarantees** the correct amount of bond every time.
- Provides excellent 'come back' qualities for easy floating and finishing.
- Offers the same quality, integrity and longevity - whether applied by hand or machine.

### TYPICAL USES

*EP Render* is typically used as part of a reinforced, flexible render system over RSA approved polystyrene substrates and AAC Hebel.

### SPECIAL FEATURE

**The unique dual binder system ensures that every bag mixed correctly with clean water and applied over RSA approved substrates, is 100% guaranteed to have integrity.**

### SUITABLE SUBSTRATES

When applied in accordance with the most recent RSA written information, *EP Render* is suitable for use over all correctly prepared substrates including:

- RSA approved Polystyrene Building Substrates.
- AAC Hebel.
- Clay bricks.
- Concrete blocks.
- Sound previously painted (acrylic) surfaces.
- Slab edge, off-form and tilt panel concrete.

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## THEORETICAL COVERAGE

Applied at 6mm thick, one bag of *EP Render* will cover approximately 1.5m<sup>2</sup>.

<b>Average Thickness</b>	<b>No. of Coats</b>	<b>m<sup>2</sup> per bag</b>
4mm	1	2m <sup>2</sup>
6mm	1	1.5m <sup>2</sup>
8mm	1 or 2	1m <sup>2</sup>

**Note:** The theoretical coverage is based on a true flat substrate that has no recesses or voids with minimum suction (porosity) and depends on application techniques.

## OVER-COATING

When over-coating with RSA trowel-on acrylic renders or textures, application may commence 24 hours after completion of *EP Render*.

Prior to the application of two coats of RSA paints such as *955 Impact Paint* or roll-on texture, the substrate must contain less than 15% Wood Moisture Equivalent (WME).

## IMPORTANT PREPARATION AND APPLICATION NOTES

(for further information refer to full instructions on packaging).

- RSA strongly recommend the use of our 'full' render, texture paint systems over all substrates. For Polystyrene and AAC Hebel substrates, it is critical to the success of the coating system, to use the Full RSA System (comprising *Set and Prep*, RSA approved 6mm Beads/Trims *EP Render*, 160gsm alkali resistant reinforcing mesh, a minimum 1mm dry film thickness of trowel-on acrylic render or texture, and two coats *955 Impact Paint*).
- Preparation of substrates, application of *EP Render* and clean up processes must be in accordance with the latest RSA written information.

- Control/expansion/movement joints in all substrates must be carried through the trowel-on coating system to a minimum width of 10mm.
- Application of *EP Render* over concrete or low suction substrates must not exceed 6mm total render thickness. .
- ***EP Render* is not designed for use on fibrous cement sheeting, or over 2.5mm beads or trims.**
- Protect freshly applied render from high winds, freezing and temperatures below 5°C for 48 hours after application. The rendered surface should also be protected from rain for up to 24hrs after application.
- *EP Render* should only be applied within a temperature range of 5-35°C.

## HEALTH AND SAFETY

Please consult the **Material Safety Data Sheet** and read the product packaging carefully before use. Material Safety Data Sheets are available by phoning **07 3287 6444** or **1800 077 744**.

**Please Note:-** The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses. To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexperienced or negligent application, or ordinary wear and tear. Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



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