



RSA EP RENDER

Product Information

In modern day construction it is essential to choose the correct render for the specified substrate.

Render Systems Australia specialise in complete systems. Combined with our technical expertise of specialist chemists and solid plasterers that compliment both our R&D and sales team, we work closely with substrate manufacturers to ensure that each component of our system has the most suitable properties in the products required.

RSA EP Render has been designed to cope with the increased movement of expanded polystyrene products and to complement the specific properties of this substrate type. When RSA EP Render is specified to complement a system it is often through the parties own industry experience where they have compared performance results.

Features

- A less rigid formulation than conventional pre-bagged renders.
- Softer less rigid bonding agents.
- A recipe formulation that allows the coating system to possess the perfect combination of improved adhesive and cohesive properties
- Well graded sand for a more compacted render formulation improving impact resistance and strength (when compared with conventional pre-bagged renders).
- Long term coating integrity for lightweight substrates when used as part of a full RSA coating system

Formulation

The science of combining the ingredients to produce the most suitable render for a particular substrate involves precise formulations of sand and its grading, cement, supplementary material and additives. The on-site performance of this product is testimony in itself.

Render Hardness

A common assumption is that the harder the render the more integrity in the render system. In fact, this factor can compromise the system over EPS. If the render cures too high in mPA it can risk reducing the impact resistance of the system and can potentially be prone to shattering if knocked. In many instances render often forms a decorative coating or foundation for further aesthetic preferences. For EPS the render system is an essential component. It is therefore essential to adapt the formulation to provide for the specific substrate whilst ensuring the technical qualities and longevity required from render exists.

The Influence of Sand Grading in Render

The consistency of sand grading is critical to the workability, performance, texture and integrity of the product and system and the longevity of the finish. The correct sand grading is critical to the recommended render over each particular substrate. It is particularly important for accurate sand grading in relation to the additives that enhance the product so the product remains balanced.

Sand grading affects water demand on site.

Riversands Pty Ltd is a sand mining plant & RSA has access to the best quality sands and processing methods with a company experienced in the manufacture of sand based products since 1974.

Render Systems Australia – A Division of River Sands Pty Ltd

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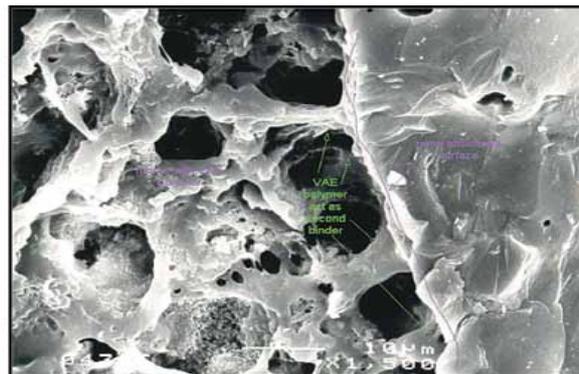
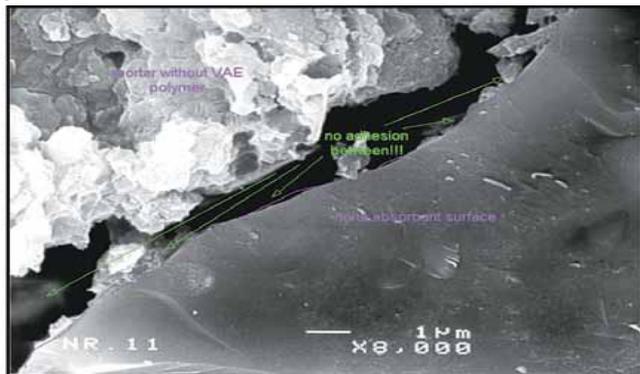
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Bond & Additives

Our renders contain a unique **dual-binding system** combining the binding power of the cement with a distinctive bonding agent. This guarantees the correct amount of bond every time – whether applied by hand or machine. It means that we have taken the guess work out of it and the applicator can be assured that the recipe for a successful application is in the product and is catering specifically for the surface it is designed for. They just add water!



The picture on the left depicts the result of inconsistent or lack of correct bonding agents that can compromise the render and the system as a whole. The picture on the right demonstrates the result of uniting the constituents precisely to provide a dependable mix.

Other additives are designed to produce a chemical reaction for the required performance and durability of the render system. Too much of something is not always a good thing – it's about the perfect formulation.

EPS systems must be water tight. It is crucial to have adequate properties in the acrylic protection over the render on EPS but logically - the more stable the foundation the more sound the overall system. That is why you would choose RSA EP Render.

FOR THE APPLICATOR

Another measure particularly important to RSA in the development of our products is to ensure that our products are user-friendly without compromising technical requirements. EP Render has an extended "hang time" for greater productivity, creamier formula for workability, high early hardness, anti sag formulation for faster straightening, and excellent "come back" qualities for quicker, easier floating.

Greater Control of the Application Process = Superior results

- Improved Site Efficiency
- Reduced variables
- Reduced potential problems
- Reduced risk of call-backs
- Improved profitability
- Satisfaction for all parties





RSA's Commitment to Quality Products

All products are manufactured to our Quality Assurance program certified as complying with ISO 9001. Our products also undergo rigorous testing at our own on-site NATA certified laboratory.

Using state of the art equipment we undertake a continuous program of laboratory and field product trials, scientific research and product standards testing.

Of perhaps much greater consequence, our focus of late has also been on the safety and environmental aspects associated with our products. Where possible, we have formulated product recipes that are not only safer and easier to apply, but that meet the new Australian Green Building Codes. All laboratory and research personnel work closely with our technical sales force to proactively improve and develop products – in line with new technologies, methods and market feedback.

RSA EP Render must be used within a full RSA application system over EPS & other suitable substrates. Please refer to individual Product Data Sheets & Application Guidelines for comprehensive system information prior to application.

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