

# RSA FLEXIBLE MINERAL TEXTURE

## Technical Data Sheet

May 2022

### PRODUCT DESCRIPTION

RSA Flexible Mineral Texture is final coating texture finish in a bag.

RSA Flexible Mineral Texture is a high quality, polymer modified, cement-based texture finish in a bag which requires only the addition of clean water. Developed for application by hand, RSA Flexible Mineral Texture is suitable for use over a range of substrates. RSA Flexible Mineral Texture has been developed to deal with the increased movement associated with Polystyrene and Fibre Cement substrates. Suitable for interior and exterior use, RSA Flexible Mineral Texture has an extended 'hang time' for greater productivity and high early hardness, excellent 'come back' qualities for quicker, easier floating, as well as increased adhesion and cohesion for long term peace of mind.

### FEATURES AND BENEFITS

- Fibre reinforced for excellent crack control
- Very economical, only requires the addition of water and mixing
- Offers excellent flexibility and adhesion due to high polymer modification
- Improved formula for easier floating and finishing
- Offers an efficient initial set time which can be brought back
- Tough, durable, scratch resistant surface, does not need priming prior to painting.
- A convenient and cost-effective final coating texture finish in a bag
- No VOC

### TYPICAL USES

RSA Flexible Mineral Texture is typically used as an economical alternative to acrylic based textures. RSA Flexible Mineral Texture is a tough, durable polymer enhanced decorative "sand-grain" finish designed to be over-coated with an RSA Protective Paint Coating.

### SUITABLE SUBSTRATES

When applied in accordance with the most recent RSA written information, RSA Flexible Mineral Texture is suitable for use over a range of properly prepared substrates including;

- Polystyrene building substrates
- AAC Hebel - as a final coating over AAC Supaflex
- Concrete blocks
- Concrete slab edges
- Off form concrete
- Concrete tilt panels
- Cement Render
- Fibre Cement Sheeting
- Blue Board
- Sound previously painted (acrylic) surfaces.

**Note:** RSA Flexible Mineral Texture may be applied directly to these substrates as a final texture coating or as a system in a combination with other RSA products. Refer to substrate specific application guidelines for further information.

### THEORETICAL COVERAGE

Applied at 1 mm thick (single coat), one bag of RSA Flexible Mineral Texture will cover approximately 12m<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.

Two coat system generally required for smooth, unprimed substrates.

Average Thickness	Number of Coats	m <sup>2</sup> per bag
1 mm	1	12-14m <sup>2</sup>
2 mm	2	6-8 m <sup>2</sup>

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### PREPARATION

**Cleaning:** Ensure all surfaces to be coated are sound, clean, dry, free from dust, oil, release agents, loose material, efflorescence and/or other contaminants. Remove all mortar dags and protrusions and either brush down with a stiff broom or wash/pressure clean substrate as required, prior to the application of any products.

### SUBSTRATE PREPARATION AND HYDRATION

It is absolutely critical to correctly seal or hydrate all masonry surfaces prior to the application of RSA Flexible Mineral Texture, as this limits water loss from the texture to the substrate. In turn, it also keeps the water in the freshly applied texture (reducing the likelihood of "plastic shrinkage cracking") and eliminates the need to cure the texture after application.

**Sealing:** Highly absorbent substrates such as Fibre Cement Sheeting should be sealed with a 1:1 mix of RSA Render Bond and water. Best results are achieved when the sealer is applied at least 24 hours prior to the render application.

**Hydration of Absorbent Dry Masonry:** The masonry substrate may be sealed as above, or alternatively it must be soaked/'hydrated' with clean water until the water beads and runs off the surface before application of RSA renders. Application of RSA Flexible Mineral Texture can be applied onto the base render generally after 24 hours. The render should be wet to assist with adhesion and hydration and RSA Flexible Mineral Texture applied when the render surface sheen has receded.

**Preparation:** Concrete slab edges, off-form concrete, tilt panels and low suction substrates should be treated as follows:

- 1 Ensure all surfaces are clean, free from dust, oil, release agents, and any other surface contaminants.
- 2 Mix a 1:1 solution of RSA Render Bond and water, then add RSA Set and Prep powder to make a slurry. Apply the slurry by roller or brush agitating the mix continually whilst applying. Re-stir solution every few minutes during application.
- 3 The Sealer/Key Coat must be allowed to dry for a minimum of 24 hours prior to the application of render.
- 4 RSA Flexible Mineral Texture can be applied onto the base render generally after 24 hours.

**Masking:** For all surfaces not to be coated (windows, doors, roofs, finished floors) we recommend masking, covering or otherwise protecting the surface prior to any application.

### MIXING RSA FLEXIBLE MINERAL TEXTURE

- 1 For pump use, mix the mineral texture according to the pump manufacturer's recommendations. If the machine requires you to add dry mix please do so. For wet mix machines refer to point two below.
- 2 Slowly add RSA Flexible Mineral Texture to approximately 4.1 - 4.3 litres of clean potable water whilst vigorously stirring with a suitable mechanical mixer (drill and paddle).
- 3 Mix RSA Flexible Mineral Texture for at least three minutes to activate additives.
- 4 Allow RSA Flexible Mineral Texture to stand for a minimum of five minutes to ensure that the chemical reaction of additives occurs.
- 5 Remix RSA Flexible Mineral Texture for one minute whilst adjusting consistency with the addition of water or render as required.

**Pot life:** The pot life of mixed RSA Flexible Mineral Texture when left in the shade is approximately 2 hours.

### APPLICATION GUIDE

RSA Flexible Mineral Texture can be applied by trowel or machine in one or multiple coats depending on substrate requirements. For single coat applications, it is important to note that if floating is done too early, shrinkage may occur - highlighting mortar joints and substrate imperfections. Floating too early may also result in 'plastic shrinkage cracks' within the finish.

**Note:** For applications over substrates where a two coat system is preferred, both coats can be applied on the same day. Ensure first coat is firm prior to commencement of second coat.

Mix RSA Flexible Mineral Texture according to previous guidelines.

Wet down any unprimed substrates and allow sheen on surface to recede to a matt finish.

Apply RSA Flexible Mineral Texture with a hawk and trowel just slightly thicker than the grain size of the product.

Finish the product with a plastic float/trowel, using circular motions to achieve the desired surface texture.

**Note:** Plan your application methods to maintain a wet edge. Consider weather and substrate conditions in order to achieve a uniform finish. If work cannot be planned to avoid cold joints, mask the finished edge to minimise any build up at the transition. Keep sheltered from rain and moisture for 24 hours and consider misting if applied during hot or windy conditions.

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### OVER-COATING

When over-coating RSA Flexible Mineral Texture with RSA protective coatings, application may commence 24 hours after completion of texture application.

### LIMITATIONS

When applied as a thin section texture/coating, the product cannot be expected to hide substrate imperfections. The product will not remedy poor quality substrate installations. RSA Flexible Mineral Texture is not a substitute for good solid plastering trade practices. It is the plasterer's responsibility to assess each project to determine 'best practice'.

### Precautions

- RSA Flexible Mineral Texture should only be applied when weather conditions allow.
- Protect freshly applied texture from high winds, freezing and temperatures below 5°C for 48 hours after application. The textured surface should also be protected from rain for up to 24hrs after application.
- RSA Flexible Mineral Texture should only be applied within a temperature range of 5-35°C.

### CLEAN UP

Clean all equipment immediately with water if texture has not cured. Any spatter on adjacent surfaces should be removed before the product has cured.

Warm water and detergent can be used to remove material which has recently dried.

### STORAGE

RSA Flexible Mineral Texture should be stored in a cool dry environment on a timber pallet base. Avoid storing in areas of high humidity or excess moisture as this may affect the contents and shorten shelf-life. The product has a shelf life of up to 12 months when stored correctly.

### WARRANTY

Render Systems Australia (RSA) offers a 7 Year Product Warranty provided:

- 1 All substrates are installed in accordance with manufacturers specifications, Australian Standards and Good Trade Practices.
- 2 All products and processes as detailed above are applied by an RSA preferred contractor and in accordance with RSA Technical Data Sheets, Specifications, Application Guidelines and Good Trade Practices.
- 3 Guidelines Only – always refer to RSA System Specifications and Application Guidelines.

### FURTHER INFORMATION

Consult the Safety Data Sheet and read the product label before use. SDS are downloadable via [www.renderystems.com.au](http://www.renderystems.com.au) or call 1800 077 744.

**DISCLAIMER:** The information relating to the application of the above products is given in good faith based on our current knowledge and experience of the product when properly stored, handled and applied. We for any purpose other than the 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 liability for loss or injury caused by improper use, incompetent preparation, inexperienced or negligent application, or ordinary wear and tear.

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