



Superior Exteriors

RAPID SHIELD MATT (LB, MB, UDB)

Substrate preparation and RSA Coating Systems product application information

The following information is provided as a guide to best practice for the preparation, application and drying of RSA Rapid Shield Matt when applied over properly prepared surfaces and substrates.

A skilled and knowledgeable applicator may find or utilise different techniques dependant on the many variables often encountered on a job by job basis.

At this point it is the applicator's responsibility to ensure that any variation to the written technical information available from Render Systems Australia at that time, will not reduce the technical qualities of RSA Rapid Shield Matt or subsequent coatings. Any changes to the Render Systems Australia specifications must be approved in writing by Render Systems Australia.

PRODUCT DESCRIPTION

Rapid Shield Matt is a high performance, 100% pure acrylic, exterior protective coating suitable for over coating both RSA Masonry Renders and Acrylic Textures. It helps to mask irregularities in the finished textures, and has the added benefit of self priming to greatly improve application efficiencies. Rapid Shield Matt is available in Light Base (LB), Mid Base (MB) and Ultra Deep Base (UDB).

- Excellent flow, levelling and wet edge properties
- Tough, durable, weather resistant protective coating
- Hard wearing easy to clean finish
- Highly flexible
- Mould resistant
- Water resistant
- Vapour permeable, allowing walls to breathe.

RSA Rapid Shield Matt adheres well to all correctly prepared surfaces and substrates and provides a durable, knock resistant decorative finish.

TYPICAL USES

RSA Rapid Shield Matt is typically used where a high quality, long term, uniform satin finish is required. The product should be used over all RSA renders and trowel-on textures where uniformity of colour, ease of cleaning and long term coating durability is required.

RSA can also be used over correctly prepared pre-painted/textured surfaces as part of an ongoing paint maintenance program to freshen up the finish or simply change the colour scheme. It is generally applied as a two coat finish.

Note: In high moisture areas and those close to waterways and salt air, we recommend the use of RSA Multiprime for superior protection before the application of RSA Rapid Shield Matt.

SUITABLE SURFACES/ SUBSTRATES

When applied in accordance with the most recent Render Systems Australia written information, RSA Rapid Shield Matt can be used over:

- Acrylic and cement based renders
- Bricks, blocks and AAC (Hebel)
- Slab edge and off form concrete
- Painted surfaces
- Fibre cement sheeting
- PVC downpipes

COLOURS

RSA Rapid Shield Matt is available in various bases and is tinted as required. The product is not limited by a set colour range and can be tinted to an array of different colours.

For exterior application, the light fastness of the chosen colour should be confirmed prior to ordering. Dark or Deep colours may require extra coats to achieve full depth coverage and opacity.

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It is standard good painting practice prior to application of RSA Rapid Shield Matt to ensure:

- 1 The colour is an acceptable match to site sample.
- 2 All drums are the same colour - if in doubt dry down a swatch from each drum to check.
- 3 Check you have enough drums of Protect to complete the whole project and box all drums together.
- 4 Do a small brush out and have your client sign-off on the colour you are about to apply.

SUBSTRATE CHECK

Prior to application of Render Systems Australia renders, textures and coatings, ensure that the substrate has been installed/applied in accordance to the manufacturer's instructions, technical specifications, good building practices and all relevant Australian Standards.

RSA Rapid Shield Matt should only be applied onto a substrate of a sound nature, free from drummy areas, dust, loose particles, form release agents and other contaminants that could affect adhesion and bonding strength. Powdery/chalky surfaces should not be treated directly with RSA Rapid Shield Matt.

GENERAL PREPARATION

Masking: For all surfaces not to be coated (windows, doors, roofs, finished floors etc) we recommend masking, covering or otherwise protecting the surface prior to any application. **Note:** For masking, we recommend the use of high quality long life masking products.

Cleaning: Ensure all surfaces to be painted are clean, dry, and free from contaminants and loose material. When a roll-on coating is applied over a rendered surface it is important to broom off loose sand particles prior to application.

Priming: Depending on the surface, apply one coat of RSA Multiprime by roller to reduce and even suction, increase adhesion, improve wet edge properties and allow a better film build of the RSA Rapid Shield Matt. Allow a minimum of two-three hours dry time (at 25°C and 50% humidity) prior to application of RSA Rapid Shield Matt. Where RSA Rapid Shield Matt is to be tinted to dark or deep colours, the tinting of Multiprime as well, will assist in giving full colour coverage. Please refer to individual product data sheets for suitable substrates/surfaces.

Clean up Process: Should any product get onto surfaces that are not to be coated clean surface immediately with clean water. It is the applicators responsibility to use the correct cleaning technique and product/s for each surface to ensure product is removed without damage to the surface.

Note: The clean-up process must be carried out during each application of product.

MIXING

Prior to application, it is necessary to mix the product for approximately one minute with a suitable high powered mechanical mixer. It is critical that all drums are mixed for an equal amount of time, boxing of product is also a necessity.

Thinning: RSA Rapid Shield Matt can be diluted with up to 5% water per 15lt drum.

Pot Life: The pot life of the product, with the lid tightly closed and stored in a cool dark is up to two years. Avoid leaving the lid off in sunny and or windy conditions as the product will skin. If leaving partly used product for extended periods, carefully clean product from inside drum walls and around the rim and then place clean plastic film over the product prior to replacing the lid tightly.

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Hang Time/Wet Edge: The hang time or wet edge on the wall is dependant on many factors including application techniques, substrate and climatic conditions. As a guide, on a hot day in the sun, the wet edge available until tipping off is approx. 1-3 minutes after application. On a cool day, in the shade, the wet edge available until tipping off is anywhere from 1-5 minutes.

PLANNING AND TIMING

Planning and timing are the keys to a quality, lap mark free RSA Rapid Shield Matt finish! When applying RSA Rapid Shield Matt it is important to know your limitations, including how many meters you can apply and finish without unsightly lap/ join marks.

This will be dependant on many factors such as climate, accessibility, team size, experience in application, application techniques etc. We therefore recommend that application by less experienced applicators should start on smaller walls that are in the shade and/or be carried out during cooler times of the day.

It is important to consider and ask yourself the following:

- 1 Consider work place health and safety
- 2 Is all masking suitable, complete and intact?
- 3 Is/will surface/s be in the shade?
- 4 Is the weather fine (not likely to rain for expected drying period)?
- 5 How many people are needed to complete the wall seamlessly?
- 6 If the wall is to big to complete seamlessly where can dummy joints be positioned (see below for more information).
- 7 Is surface prepared, sound, clean and suitable for application of Protect?
- 8 Is access to surfaces to be coated good?
- 9 Is all scaffolding in place, safe and secure?
- 10 How many drums are required for the square meterage?

- 11 Have all drums been checked for colour consistency, mixed sufficiently, boxed where required?
- 12 Place enough drums on each level of scaffolding/area of wall with 10% allowance.
- 13 Place clean water and cleaning brushes/ sponges/equipment on each level of scaffolding/wall area in case of spills.
- 14 Which person goes where on the wall, does what and when?
- 15 Does the team know the plan and understand the importance of maintaining a wet edge and which person goes where on the wall and does what and why?

Note: The moisture content of the substrate or previous RSA coatings should be less than 15% WME prior to application.

APPLICATION PROCESS

Roller and Brush Application

Once the substrate has been properly prepared and primed, application of RSA Rapid Shield Matt can commence. RSA Rapid Shield Matt is ideal for all roller and brush applications in one or multiple coats.

- 1 Apply RSA Rapid Shield Matt using a suitable paint brush and roller. Generally, a medium quality 75 - 100mm brush and a 12 -20mm nap lambs wool roller are most suitable.
- 2 . Roll one coat onto the wall surface prior to cutting in. Cut/feather in. When first coat is dry, roll and cut the second coat.

Note: It is critical to firstly apply the product using a roller, and then cut in with the brush - taking care to feather in to the roller work. If too much paint is applied at the junction where the roller and brush application meet, the film build and sheen levels will be higher and a picture framing effect can be seen.

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- 3 Ensure wall areas are applied and finished at the same time, whilst maintaining a wet edge. Breaks (stop points in the wall such as control joints) can be worked to, and application recommenced later, taking care to protect finished work from new applications.
- 4 Finishing: While RSA Rapid Shield Matt is still workable, tipping off is recommended. As a final finishing stroke, tip off Protect with roller using a light touch and a downward vertical motion to create an even finish.
- 5 Removing masking tape: To avoid paint peeling off when removing masking tape, ensure the tape is lifted off immediately after cutting in of each surface is complete. If masking is left on by mistake, allow RSA Rapid Shield Matt to dry and carefully cut tape (avoiding damaging the masked surface) and remove.
- 6 Clean up: Refer previous Clean-up process on page one.

DRYING

Allow five hours drying time between coats (at 25°C and 55% relative humidity). The product will be fully cured within seven days.

OVER COATING

As part of an ongoing maintenance program the integrity of external coating should be regularly checked and any repairs carried out immediately to avoid further degradation of the coating. Generally, a clean down plus a coat of RSA Rapid Shield Matt should be carried out every 7-10 years. RSA Rapid Shield Matt can also be over-coated with suitable acrylic sealers, roll-on or trowel-on textures.

Note: As with all paints, we recommend the coating is cleaned at least every 6-9 months (Please refer to the RSA [General Cleaning and Maintenance of Rendered Walls](#) document).

THEORETICAL COVERAGE

Applied as a standard finishing paint to sealed render, one 15 Litre drum of RSA Rapid Shield Matt will cover approximately 70-80m² for the 1st coat and approximately 80-90m² for the 2nd coat.

Note: Theoretical coverage is based on a true, flat substrate that has no recesses or voids with minimum suction (porosity) and minimal wastage.

LIMITATIONS

Please note that the product:

- Is not suitable for use on floors or roofs and is not suitable for areas that are continuously submerged in water, or in areas where a water proofing product is required.
- Cannot be expected to hide imperfections, or remedy poor quality substrate installations. RSA Rapid Shield Matt should only be applied on to properly prepared, surfaces.
- Is not a substitute for good trade practices. It is the applicator's responsibility to assess each project to determine 'best practice'. **If in doubt phone 07 3412 8111.**

PRECAUTIONS

- Batch to batch colour variations can occur. It is important to order enough RSA Rapid Shield Matt to complete the project and to carry out on site boxing of product. Different batches should be limited to use on separate areas to reduce the effect of possible colour variation.
- RSA Rapid Shield Matt should only be applied when weather conditions allow. It should only be applied within a temperature range between 5-35°C.
- Protect from freezing and temperatures below 5°C for 48 hours after application. Applied RSA Rapid Shield Matt should be protected from rain for up to 24hrs after application and from damage until completion of the project.

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STORAGE AND DISPOSAL

RSA Rapid Shield Matt should be stored in a cool dry environment. The product has a shelf life of up to 12 months when stored correctly. If leaving partly used drums of product for extended periods, carefully clean product from inside drum walls and rim area, then place a clean plastic film cover over product before replacing lid tightly.

Please ensure that disposal of discarded product meets with local Council requirements.

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 cannot guarantee the product will be suitable, effective or safe when used 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, inexpert or negligent application, or ordinary wear and tear.

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