

# SATIN ACRYLIC MEMBRANE

High performance acrylic membrane for internal and external application over masonry and acrylic based surfaces. Available in low-sheen or matt finish.

## DESCRIPTION

MAC Satin is a high performance acrylic based paint, formulated to provide an attractive and highly durable finish to most masonry and acrylic surfaces. Satin will greatly improve the overall coating system performance whilst reducing maintenance and dirt pick-up.

## SUITABLE SURFACES

Satin can be applied to most sound masonry and acrylic based surfaces including:

- > Primed clay/concrete bricks/blocks
- > Primed cement renders
- > Acrylic textured wall coatings
- > Previously painted masonry based surfaces
- > Correctly prepared concrete panels
- > Lightweight cladding systems after application of render and acrylic finish

## COMPOSITION

Satin is formulated using only the best quality raw materials available. It consists primarily of premium fillers and opacifying pigments dispersed in an exterior grade acrylic emulsion. The incorporation of anti-bacterial agents helps to guard against future fungal growth on the finished surface.



## COLOUR RANGE

MAC Satin can be tinted to an almost limitless range of colours from most of the commonly available colour palettes. Some colours may not be suitable for certain applications. Check suitability prior to choosing your final colour.

## PHYSICAL PROPERTIES

PROPERTY	LOW SHEEN	MATT
PVC	38-40% approx.	49% approx.
Volume Solids	40% approx.	42% approx.
Specific Gravity	1.3 approx.	1.4 approx.

PROPERTY	LOW SHEEN	MATT
VOC Level	< 25 grams/litre (untinted) / 1.8%	< 25 g/lt untinted / 1.82%
Tint Base	Light/Deep/Accent	White/Light/Deep/Accent

### SURFACE PREPARATION

Prior to the application of Satin, ensure the surface to be painted is in a clean and stable condition. All loose, chalky, powdery or greasy contamination must be thoroughly removed with soapy water or a high pressure cleaner. Porous surfaces should first be primed with one coat of MAC Primer thinned 30% with water. Once thinned, MAC Primer should be applied at a rate of approximately 8 square metres per litre. The application of MAC Primer will fortify and seal any porous surfaces thus improving adhesion and extending the wet-edge time during Satin application. MAC Primer should be allowed to dry thoroughly prior to the application of Satin. When applying Satin directly to a cement rendered surface, ensure the render has been allowed to cure for a minimum of 14 days prior to application.

### PRIOR TO APPLICATION - A NOTE ON ALKALINITY

Application of acrylic finishes over fresh cement based renders can lead to coating degradation caused as a result of high pH (alkalinity). Acrylic finishes should not be applied over renders until the pH has fallen to 9 or less. This can take around 5 days or even longer. Application on renders with a pH greater than this may result in lime burn and other problems. Render alkalinity can be checked by dampening the wall with distilled water and applying commonly available pH indicator paper.

### APPLICATION

Satin can be applied by brush, roller or any suitable spray equipment. It is best to use a fine, short nap roller when painting smooth surfaces and a coarser, long nap roller when painting rougher surfaces such as cement render or acrylic textured finishes. To ensure a high quality result, a "wet-edge" must be maintained throughout the painting of each section of wall. MAC strongly advises that cutting-in and painting be carried out simultaneously to eliminate the possibility of unsightly "picture-framing". This is especially true on porous, textured surfaces. "Picture-framing" is a term used to describe areas of different sheen in the painted surface caused by uneven overlap of paint.

### TIPS FOR SUCCESSFUL APPLICATION

- > Do not apply in ambient temperatures less than 10 °C or above 35 °C or when likely to fall below 10°C during the application or drying period. Protect from moisture for minimum 48 hours from time of application.
- > Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
- > Allow longer times under cool, moist, or still conditions and or when applied at high film builds.
- > Ensure all masking has been carried out and that drop sheets are in place. Once painting has begun, it must be completed in a smooth fluid motion with no stopping until completion of each face.
- > Pour the Satin into the roller tray and ensure that the roller cover has been completely wet-out with fresh paint. Eliminate all dry patches in the roller cover as this will result in a patchy paint job.
- > When using a roller, always position the open end of the roller frame at the trailing edge during paint application. Doing this will reduce the occurrence of paint runs caused by excessive roller pressure.
- > Do not roll the Satin out too thin. Apply an even coat, reapplying fresh paint to the roller as required. Attempting to stretch the paint too far will result in an uneven, patchy appearance.
- > Ensure there is enough labour on hand to enable painting of the walls in a smooth motion. Cutting in should be carried out concurrently with the main painting. Have a second person cut-in so that the main surface can be rolled over it whilst still wet.
- > Avoid painting in hot, windy conditions as this will cause premature drying of the paint. Rapid drying during application may result in an uneven appearance especially over textured or porous surfaces.
- > If possible avoid dark colours - these will give rise to much higher surface temperature that may cause addition thermal stress and lead to shorter life of the paint film.

### COVERAGE

MAC Satin should be applied to the substrate at a rate of between 4 - 8 square metres per litre depending on substrate. As with most painted finishes, for optimum results, MAC recommends the application of two coats of Satin. The application of two coats will provide optimum durability and opacity.

**TABLE 1. EXPECTED COVERAGE & APPLICATION RATES**

SUBSTRATE	METHOD	APPLICATION RATE
Plasterboard	Ensure substrate is clean and free of any adhesion inhibiting substances. Apply two (2) coats of MAC Satin in the chosen colour.	8.0 m <sup>2</sup> per litre
Cement Render & Fibre Cement Base Sheet	Ensure substrate is clean and free of any adhesion inhibiting substances. Apply one (1) coat of MAC Primer as directed on pack. Apply two (2) coats of MAC Satin in the chosen colour.	5.0 m <sup>2</sup> per litre
MAC Pre-packaged Renders	Ensure substrate is clean and free of any adhesion inhibiting substances. Apply two (2) coats of MAC Satin in the chosen colour.	5.0 m <sup>2</sup> per litre
MAC Acrylic Textured Finishes	Ensure substrate is clean and free of any adhesion inhibiting substances. Apply two (2) coats of MAC Satin in the chosen colour.	4.0 m <sup>2</sup> per litre
Concrete Panels	Ensure substrate is clean and free of any adhesion inhibiting substances. Apply two (2) coats of MAC Satin in the chosen colour.	8.0 m <sup>2</sup> per litre
Rendered EPS Lightweight Cladding Systems	Ensure that the EPS cladding panels have been fixed, rendered and texture-coated as per manufacturer's specification. Apply two (2) coats of MAC Satin in the chosen colour.	4.0 - 6.0 m <sup>2</sup> per litre

**SUPPLY & PACKAGING**

Satin is supplied pre-tinted to the selected colour in 5 and 15 litre plastic pails. Satin can also be supplied in pallet lots containing 48 x 15 litre pails.

**WASH-UP**

Satin is an acrylic based product. All tools and equipment should be washed in clean water immediately following use.

**VOC DATA**

Satin contains a calculated VOC level of < 30 grams/litre un-tinted.

**SAFETY**

Prolonged exposure may cause skin irritation. MAC strongly recommend the use of skin and eye protection during application. Refer to MSDS for details. Always ensure scaffolding used during application conforms to local government requirements.

**IMPORTANT NOTE:**

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