



DATASHEET

RGL ADHESIVES

RGL Master (Undercoat)

INTRODUCTION

UC-MSTR-20L RGL Master (Undercoat)

DESCRIPTION

RGL Master undercoat is a high-quality water-based acrylic undercoat master product provides a uniform, buildable base that helps improve topcoat coverage, adhesion and appearance. The master provides weather resistance, water repellency and UV durability. Suitable for use on new and aged roof tiles, all masonry, concrete and wall surfaces.

Master undercoat white can be tinted to selected colours to assist with colour development and provide a suitable base prior to application of compatible roof topcoats.

FEATURES AND BENEFITS

- Water Based and low odour
- Milky White Appearance and can be tinted
- UV and Weather Resistant Resistance after full cure
- Fast Drying
- High-build formulation for improved surface coverage
- Anti- corrosive protection
- Same day top coat
- Non- hazardous
- Non- toxic
- Easy water clean- up
- Low VOC (Volatile Organic Compounds)
- Wide range of colours available (tinted)
- Helps improve topcoat coverage and colour consistency

RECOMMENDED USES

RGL Master undercoat is designed for concrete roof tiles, cementitious roof tiles, previously coated roof tiles (after compatibility testing) and exterior roof restoration systems.

New roof tiles – Provides a suitable primed surface before applying the finishing roof coating.

Used roof tiles – Helps prepare weathered, porous and previously uncoated tiles for recoating.



DATASHEET

RGL ADHESIVES

Concrete roof tiles – Seals the porous substrate and promotes topcoat adhesion.

Cement roof tiles – Provides a uniform base for subsequent acrylic roof coatings.

Previously painted tiles – Can be used where the existing coating is sound, properly prepared and compatible with the primer.

Weathered or porous surfaces – Helps reduce substrate absorption and improve uniformity of the topcoat.

Restoration and recoating – Suitable as part of a roof tile refurbishment system where the existing surface has been appropriately cleaned and prepared

APPLICATION GUIDE

Application Guide should only be used as a guide and the installer should always apply all Australian Standards as per the **NCC (National Construction Code)** and best practices when coating roofs.

Weather Conditions

Drying and curing times vary according to:

- Temperature
- Relative humidity
- Wind
- Application thickness
- Substrate
- Ventilation

Cold, Damp or humid conditions may extend drying and curing times.

Hot, dry or windy conditions may accelerate skin formation.

Do not apply:

- During rain
- Rain is imminent
- To excessively wet substrates
- During conditions outside the manufacturers specified application range.

Application

Surface Preparation

Proper surface preparation is essential for optimum performance.



DATASHEET

RGL ADHESIVES

For New Roof Tiles

- Ensure tiles are clean and dry.
- Remove dust and loose particles

For Existing Roof Tiles

- Clean surface thoroughly using high pressure washing
- Remove moss, dirt and any loose coatings
- Allow tiles to dry completely before application

Application methods

- Airless Spray
- Roller
- Brush

Drying Times

Note; The drying time will vary depending on the film thickness being applied, temperature, humidity and airflow.

- **Touch Dry 30 min**
- **Recoat 1 hour**
- **Full Cure 3-4 Days**
- **Drying times vary depending on temperature, humidity and airflow**

PHYSICAL PROPERTIES

Form: Liquid
Colour: White
Odour: Mild

Solubility:	Miscible with water
Specific Gravity:	1.0-1.9
Vapour Pressure:	N Av
Flash Point:	N App
Explosion/ Flammability Limits:	Non- Flammable
Melting Point/ Freezing Point (°C):	N Av
Boiling Point (°C):	Approx 100 °C
pH	8-9.5
Viscosity	800-1000cPs
Total VOC (g/Litre)	N App

N Av = Not available, N App = Not applicable



DATASHEET

RGL ADHESIVES

SAFETY AND HANDLING

- Water based and non- flammable
- Avoid contact with eyes and skin
- Use suitable Personal Protective Equipment (PPE) during application
- Ensure adequate ventilation during use
- Wash hands thoroughly after handling
- Wear protective gloves
- Keep out of reach of children

HEALTH AND SAFETY

Refer to SDS RGL Master Under Coat

PRECAUTIONS AND LIMITATIONS

- Do not use product when rain, dew or other moisture is expected during the drying time of the paint.
- Avoid using in extreme heat or direct midday sunlight.
- **Apply between 14°C and 32°C**
- Allow longer dry times under cool or moist conditions, or when applied at high film builds.

TRANSPORT AND STORAGE

Property	Recommendation
Storage Temperature	5°C to 35°C
Shelt Life	12 months Unopened
Product Storage	Store in original container away from direct sunlight and extreme heat

PRODUCT INFORMATION

Size	20L
Weight	~22kg



DATASHEET

RGL ADHESIVES

DISCLAIMER

The information contained in this Technical Datasheet is prepared by RGL Adhesives Pty Ltd based on laboratory testing, manufacturing processes and practical experience.

Users are responsible for conducting their own testing and evaluation to determine suitability for the intended application. Variations in surface preparation, application methods, weather exposure, and substrate condition may affect product performance.

The manufacturer/supplier accepts no liability for loss, damage, or consequential claims arising from the use of this product outside recommended guidelines. Product specifications and formulations may be modified without prior notice as part of ongoing development and evaluation programs.