

TECHNICAL DATA SHEET FOR

ROYAL UNDER

DESCRIPTION	:	Royal Under is a premium grade two component, high build water-based silicate based inorganic polymer undercoat specially formulated to prepare the substrate for receiving stone texture coatings.
TYPE	:	Two pack, water-based silicate based inorganic polymer undercoat
COLOUR	:	White, grey and black
FINISH	:	Matt
USES	:	Suitable over new masonry surfaces such as concrete, plaster, brickwork, etc. for subsequent stone textured coatings.
FEATURES	:	<ul style="list-style-type: none">• Washable; recommended for exterior application• Superior adhesion to substrate• Outstanding algae and alkaline resisting property• Good opacity and sealing property• Environmental friendly• Available in customized colours for groove creation
APPLICATION DATA:		
METHOD	:	Apply by roller, brush or airless spray.
THEORETICAL COVERAGE	:	2 - 2.5 m ² per kg (based on normal substrate and application condition)
DILUTION	:	Ready for use. If thinning required, add not more than 10% clean water.
SURFACE PREPARATION	:	Ensure surface is clean, dry and stable using the following suggested surface treatments: <ul style="list-style-type: none">• Moisture :There must not be any water residue on the surface of the substrate. Moisture must be <4% (Sovereign moisture master) before application• Unstable matter :Remove loose bonding film, dirt, peeling paint, etc by high-pressure water jet wash or mechanical means such as power brush or scraper, whichever is suitable• Contaminants :Remove dust and foreign matter by cleaning with damp cloth. Remove oil or grease using solvent or mild detergent. Allow surface to dry

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- **Fungus and Algae** :Wash the affected area to remove unstable matters and micro-organisms. Apply Anti-Fungus Solution and leave on for at least 2 hours
- **Hairline cracks** :Fill cracks with suitable exterior grade water-resistant putty or filler

RECOMMENDED PAINTING SYSTEM :

Sealer (1 coat):	Royal Under 500 Sealer (recoating on stone coating) Silicone Primer (for newly plastered substrate)
Texture (1-3 coats):	Royal Stone
Finishing (2 coats):	Classic Top Si

MIXING RATIO : Royal Stone Under (Part A) : Royal Under (Part B) = 24:2 (by wt)

DRYING TIME : Surface Dry - 2 hours
Hard Dry - 24 hours

OVERCOATING TIME : 12 hours

CLEANING : All equipment should be cleaned with water immediately after use.

GENERAL INFORMATION

SOLID CONTENT : Royal Under (Part A) = 75 ± 5%
Royal Under (Part B) = 40 ± 5%

SPECIFIC GRAVITY : Royal Under (Part A) = 1.6 ± 0.2 (25°C)
Royal Under (Part B) = 1.1 ± 0.2 (25°C)

PACKING : 26kg/set

STORAGE : Store in a tightly sealed container in a cool dry place.

SHELF LIFE : Up to 6 months in a tightly sealed container.

PRECAUTION : Ensure good ventilation during application and drying of paint. Do not apply in air and substrate temperature below +5°C. Avoid direct contact with sensitive skin. Use appropriate personal protective equipment.

Refer to the product Safety Data Sheet for more information.

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

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