

TECHNICAL DATA SHEET

NuCote DecoSkim Cementitious Coating Mortar

PRODUCT DESCRIPTION

NuCote DecoSkim is a one component cementitious and environmentally safe coating and levelling mortar. **NuCote DecoSkim** consists of dry cement, graded aggregates, polymer and chemical additives, which only require the addition of clean water to produce a rapid setting, shrink compensated, and thixotropic smoothing mortar.

NuCote DecoSkim can be used on most common substrate including concrete, under coat plaster and fibre-cement boards on overheads, vertical and horizontal substrate. **NuCote DecoSkim** is in six standard colours.

ADVANTAGES

- The product mix and finish. It can be applied both vertically and horizontally.
- Performance: Excellent bond to concrete and other cementitious substrates without priming.
- Low permeability gives excellent resistant to attack by elements.
- Shrinkage compensated.
- Can be left as fair face finish or over coated.
- Rapid Setting.

APPLICATION AREAS

- Structural repairs to concrete structures.
- Scrapper coat over cement plaster.
- Hair line crack filler on plaster.
- All types of concrete structural repair which could be applied by trowel.

TECHNICAL DATA

DESCRIPTION	RESULTS
Compressive Strength	>30 Mpa
Flexural Strength	>5 Mpa
Flexural Strength	>5 Mpa
Application Time	25 Minutes (25°C)
Coverage	5(m ²) at 1mm thickness.
Application Thickness	0.5 – 5 (mm ²)

The above results are based on water/powder ratio of 7 litres of clean tap water per 25 Kg bag. Results are affected by product storage conditions, temperature, water content, curing regime, sample quality, compaction, and equipment used to prepare samples and conduct actual testing. This product complies the minimum performance characteristics for (BS EN 1504-3 Class-R3 (Structural)) classification.

PACKAGING

NuCote DecoSkim is available in 25 kg bags.

STORAGE AND STABILITY

NuCote DecoSkim has a shelf life of 12 months when stored in the original containers in a cool, dry place. Failure to do so will result in a reduction of shelf life.

WORKABILITY

Once mixed, NuCote DecoSkim allow for easy application. Application time at 25 Degrees Celsius is 25 minutes.

INSTALLATION INSTRUCTIONS**1. SUBSTRATE SURFACE PREPARATION**

Concrete substrate must be structurally sound. Remove all oil, grease, paint, corrosion, dust, surface deposits, laitance, or algae. Prepare the surface by abrasive grit blasting or light scabbling.

2. WATER SATURATION

Prepared substrate should be saturated it with clean tap water not allowed to dry out completely but should reach Saturated Surface Dry (SSD) condition before application. Any residual surface water must be removed before application of NuCote DecoSkim. No primer required under normal circumstances.

MIXING INSTRUCTION

- NuCote DecoSkim should be with forced action mechanical mixer (a slow speed (500rpm) heavy duty drill with paddles are acceptable).
- Add 7 litre of water per bag into a clean mixing container. Transfer NuCote DecoSkim into the mixing container while mixing.
- After all material has been transferred into the mixing vessel mix for 3-5 minutes until the mix becomes fully homogenous. Water level can be adjusted (6.5 – 7 litres per 25 kg bag) to achieve desired consistency. Use of part-bag is not recommended.

PRODUCT LAYING INSTRUCTION

Apply immediately after mixing using a steel trowel to the required thickness.

NuCote DecoSkim can be finished by roller, brush, sponge or trowel depending on consistency and finish required.

When laying the product ensure the substrate has been

pre-wetted and has achieved surface saturation dryness condition. Final finishing should be carried out by steel float after the material has been allowed to stiffen.

The final surface finish can be obtained in the following application method:

- Rough Surface: Finish with a roller or brush
- Smooth Surface: Finish with a sponge.

Note: Do not use water for surface finish. This method will weaken the product.



LIMITATIONS

- Do not use NuCote DecoSkim at temperatures below 5°C and temperature above 25°C.
- Do not expose the product during application or while still in a plastic state to running water.
- Application thickness should be in the following range 10 (mm) - 125(mm).
- Yield: Mixed with 7 Litres of water will yield not less than 19 Litres.

CLEANING

Clean hands and skin immediately after use with industrial hand cleaner. Clean tools and equipment immediately after use with NuCote Cleaner A.

COLOURS

	Light Grey	RAL 7038
	Basalt Grey	RAL 7042
	Pebble Grey	RAL 7032
	Platinum Grey	RAL 7036
	Emerald Green	RAL 6001
	Beige	RAL 1001
	Oyster White	RAL 1013
	Traffic Black	RAL 9017
	Sky Blue	RAL 5015

WATCH POINTS

Humidity, moisture, and curing of the primers are essential to these systems. The Colours are not UV stable however, functional. They may discolour when exposed to direct sunlight or UV. Storage is also vital to

ensure the materials remain in a workable condition.

DISCLAIMER

Colours will always vary according to the printed version on our literature. These products are sold according to our standard terms and conditions of sale which is available on request and may not be overridden by any other legal documentation.

Whilst the information contained herein is true, accurate and represents our best knowledge, the user must contact NUI / Rigifoam immediately should any complications occur. Site conditions, labour and application issues are out of our control and the contractor holds this liability.

Figures for consumption are estimates and theoretical and do not allow for wastage, surface profiles that are not up to standard, porosity, variations in levels etc.

SAFETY AND HANDLING

Wear a dust mask when mixing **NuCote DecoSkim**. Suitable gloves and eye protection should be worn at all times. Should the product come into contact with the eyes, wash immediately and seek medical advice.

HEALTH AND SAFETY INFORMATION

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If inhaled move to fresh air.

Consult a physician after significant exposure. If swallowed, clean mouth with water and drink afterwards plenty of water.

Do not induce vomiting without medical advice. In case of skin contact, take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician when in contact with existing open wounds.

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological, and other safety-related data.

The Material Safety Data applicable to the handling of urethane raw materials should be read, understood, and rigidly adhered to. These are available on request from NATIONAL URETHANE INDUSTRIES (Pty) Ltd.

In accordance with ISO 9001:2015 and the Occupational Health and Safety Act (Act 85 of 1993), herewith Product and Safety Data Sheet.	
We hereby confirm that we have received a Product and Safety Data Sheet for NuCote DecoSkim system and are returning the obsolete copies.	
COMPANY NAME:	
SIGNATURE:	
NAME:	
DATE:	

CAUTION

The information contained in this bulletin is to the best of our knowledge true and accurate but any recommendations or suggestions, which may be made, are without guarantee since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

