

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

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

NuCote NuSkim can be used on most common substrates including concrete, under-coat plaster and fibre-cement boards on overheads, vertical and horizontal substrate. **NuCote NuSkim** is available in various colours.

ADVANTAGES

- The product 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.
- Available in various colours

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.
- Skim coat

TECHNICAL DATA

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

The above results are based on water/powder ratio of 6.5 - 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.

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PACKAGING

NuCote NuSkim is available in 25 kg bags.

STORAGE AND STABILITY

NuCote NuSkim 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 NuSkim allows for easy application. Application time at 25°C is 25 minutes.

INSTALLATION INSTRUCTIONS

• 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.

• WATER SATURATION

Prepared substrate should be saturated 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 NuSkim. No primer is required under normal circumstances.

MIXING INSTRUCTION

- NuCote NuSkim should be mixed with a mechanical mixer (slow speed (500 rpm) heavy duty drill with paddles is acceptable).
- Add 6.5 - 7 litre of water per bag into a clean mixing container. Transfer NuCote NuSkim 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-bags is not recommended.

PRODUCT LAYING INSTRUCTION

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

NuCote NuSkim 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 a little bit.

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 or steel trowel.

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

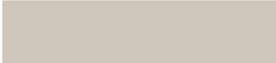
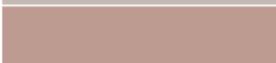
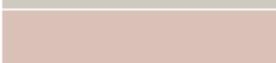
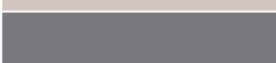
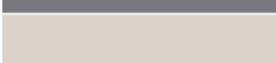
LIMITATIONS

- Do not use NuCote NuSkim at temperatures below 15°C and temperature above 30°C.
- Do not expose the product to running water during application or while still in a plastic state.
- Application thickness should be in the following range: 1 mm – 2 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 water.

COLOURS

	Bavarian Cream
	Bittersweet
	Black Forest
	Careless Wisper
	Cinnamon Toast
	Cracker Bread
	Crème Brulé
	French Nougat
	Frozen Oreo
	Mochaccino Coffee
	Mustang Alley
	Soft Serve
	Timber Wolf
	Tumbleweed
	Wild Truffle

www.nucote.co.za
011 421 0313



 **NuCote**™
FLOORING PERFECTION

DISAVOWAL: The customer acknowledges and understands that after delivery, the goods will have left the control of Rigifoam (Pty) Ltd, and that the customer will be responsible for the unpacking of and connection/installation of the goods. The customer acknowledges that it is his/her further responsibility to ensure that a fully qualified and competent person is used to install the goods to ensure their effective operation. Failure by the customer to ensure the installation of the goods, according to the written instructions of the manufacturer and/or supplier, by a fully qualified and competent person, may result in the failure of the goods, injury, loss or damages to the customer. Accordingly, and in this event, Rigifoam (Pty) Ltd accepts no responsibility for any loss or damages that might arise by reason of death or personal injury to any person engaged in the installation or use of the goods thereafter, subject to the provisions of the Consumer Protection Act 68 of 2008.

DISCLAIMER

These products are sold according to our standard terms and conditions of sale which are 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 **NuCote** 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.

HEALTH AND SAFETY INFORMATION

Wear a dust mask when mixing **NuCote NuSkim**. Suitable gloves and eye protection should be worn at all times.

In case of contact with the 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 epoxy raw materials should be read, understood, and rigidly adhered to. These are available on request from **NuCote**.

AUTHORISED TECHNICAL PERSONNEL

Please note that only **NuCote** Authorised Technical Personnel are permitted to change any information in this datasheet or provide recommendations concerning the use of this product. Visit www.nucote.co.za for a current datasheet and materials safety datasheet.

DATASHEET VALIDITY

NuCote makes modifications to its datasheets from time to time when needs arises. Please check the current datasheet on www.nucote.co.za to ensure you use the latest version.

WARRANTIES

NuCote supplies products that comply with the properties as shown on the current product datasheets. **NuCote NuSkim** is guaranteed to be free of any manufacturing defects. In the event that products supplied are proved not to comply with these properties, then **NuCote** will replace the non-complaint product or refund the purchase price. Any suspected defects must be reported to **NuCote** in writing within five working days of being detected.

NuCote does not warrant or guarantee the installation of the products as it does not have control of the installation or end use of the products. If **NuCote NuSkim** is applied in accordance with the appropriate method statement issued for the specific project, by an approved applicator, and the substrate complies with the minimum requirements, then the system is to last for the life of the sealer or topcoat applied over it.

We discourage placing **NuCote NuSkim** on a substandard substrate in terms of compressive and tensile adhesion strength, or badly prepared substrate.

NuCote makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other representations, warranties, agreements, promises or commitment expressed or implied. **NuCote** shall not be liable for damages of any kind with respect to purchases or use of **NuCote NuSkim**, including remote or consequential damages, down time, delay, and application failures.

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™ NuSkim 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.



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