

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

NuCote WB Primer is a two-component, high solids, water-based primer for concrete. It is a highly breathable primer suitable for use with a wide range of water based **NuCote** coatings and flooring systems. NuCote WB Primer is tolerant to application over manually prepared substrates. It is ideally suitable for substrates where primer breathability is required.

ADVANTAGES

- Simple to apply.
- Excellent adhesion to concrete substrates.
- Fast drying.
- Enhanced bond to substrate.

APPLICATION AREAS

The excellent bond and breathability of NuCote WB Primer makes it ideal for a wide range of applications such as:

- Breathable primer for concrete substrates.
- Used with wide range of water based **NuCote** coatings and flooring systems.
- Primer for self-levelling screed (Underlayment and overlayment) where moisture content is 3 – 5 %.

TECHNICAL DATA

DESCRIPTION	RESULTS
Pot Life	60 – 90 Minutes at 25°C
Touch dry	4 - 6 hrs at 25°C
Recoat Time	6 – 24 hrs at 25°C
Specific gravity	1.05 ± 0.01
Theoretical Coverage	8 m ² per Litre (Depending on wastage and surface profile.)
Application temperature	15 - 30°C

Note: The values given are average figures achieved in laboratory tests.

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PACKAGING

NuCote WB Primer is supplied as a two component 5 litre kit.

STORAGE AND STABILITY

Store in a cool, dry place on pallets off the ground. Area always to be covered and avoid direct sunlight and high humidity. Shelf life is 12 months from date of manufacture in original packaging.

SURFACE PREPARATION.

All surfaces should be clean and free from oil, grease, paint, corrosion deposit, dust, laitance, or any other surface contaminants. The substrate must be structurally sound, and any loose or unsound concrete should be removed and made good. The substrate surface should be prepared by captive blasting or grinding to produce a lightly exposed aggregate surface. Any bug hole should be filled with NuCote Epoxy Grout or NuCote Epoxy Paste.

SUBSTRATE REQUIREMENTS.

The substrate should achieve a minimum compressive strength of 25 Mpa, and tensile adhesion strength of 1,5 Mpa. The concrete slab should be tested for moisture using a Rapid RH system following the procedure in ASTM F2170. If the humidity is greater than 80% then conduct a moisture vapor emission rate (MVER) testing using the procedure in ASTM F1869. If the MVER is under 3lbs/1000ft²/24hrs, use one coat of **NuCote WB Primer**. If the MVER is 3 – 5 lbs/1000ft²/24hrs, use two coats of NuCote WB Primer. If the MVER is 5 - 12 lbs//1000ft²/24hrs, use two coats of NuCote MT Primer at 200 - 250 microns WFT per coat.

MIXING

NuCote WB Primer must be mixed in the proportions supplied. The entire contents of the base **NuCote WB Primer Part A** should be poured into the hardener **NuCote WB Primer Part B** and the two materials mixed thoroughly for at least 1 - 2 minutes. Use of a mixing drill fitted with a suitable paddle is recommended.

APPLICATION INSTRUCTION

Epoxy coatings and floor systems should only be applied by experienced coating applicators. **NuCote** provides detailed application method statements on all its products for use in various coatings and flooring applications. These must be referred to prior to starting work. Information in this datasheet is a summary intended to be used as a guidance only.

Steel trowel, Roller and Brush applied:

The material is suitable for steel trowel, brush and short mohair roller application. Application of more than one coat may be required to obtain the film thickness required. We recommend two coats of **NuCote WB Primer** for all suitable substrates.

OVERCOATING

When **NuCote WB Primer** is being overlaid with **NuCote WB Coating** or **NuCote WB SL**, the primer should be allowed to be tack free before overcoating. For all cementitious screed the primer should be overlaid while the primer is still very much tacky. If the primer is left for longer than 24 hrs at 25C the surface must be abraded solvent degreased / wiped and re-primed.

LIMITATIONS

- **NuCote WB Primer** will allow moisture to pass through it.
- **NuCote WB Primer** will freeze at temperatures below 0°C.
- Apply only at temperatures of 15 - 30°C.

DISCLAIMER

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

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**.

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 **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.

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 WB Primer** 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 WB Primer** 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 WB Primer** 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 WB Primer, 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™ WB Primer 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.