

TECHNICAL
DATA SHEET

NuCoteTM SL Underlayment Premium

Fast Setting Self-Levelling Underlayment

PRODUCT DESCRIPTION

NuCote SL Underlayment Premium is a self-levelling, single component, high performance, cementitious underlayment compound which will be covered with vinyl, carpet, tile, or our resin flooring range. **NuCote SL Underlayment Premium** has been specially formulated to produce a hard wearing, smooth, crack free, flat surface while being very easy to apply.

ADVANTAGES

- Dimensionally stable.
- High flow properties.
- Self-healing properties up to 30 minutes.
- Single component product.
- Applied directly onto prepared surface.
- Self-levelling.
- Trafficable within a few hours.
- Non-toxic.

APPLICATION AREAS

- Underlayment for floor coverings such as carpets, ceramic tiles, vinyl, parquet, linoleum, resinous floors.
- Refurbishing of old concrete floors.
- Levelling of existing floors.
- Hygiene applications such as hospitals, food preparation and storage areas.
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TECHNICAL DATA

DESCRIPTION	RESULTS
Compressive Strength DIN EN 13892-2	> 30 N/mm ² (28 Days)
Flexural Strength DIN EN 13892-2	> 5 N/mm ² (28 Days)
Shrinkage EN 13872	< 1 mm/m
Bond strength DIN EN 13892-8	≥ 1.5 N/mm ²
Abrasion Resistance	250 mm ³
Pot life	30 - 40 Minutes
Approximate Coverage	1.8 kg/m ² / 1 mm thickness (22 kg bag will cover ± 5 m ² @ 3 mm thickness)

Note: The above results were obtained under normal laboratory conditions.

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PACKAGING

NuCote SL Underlayment Premium is available in 22 kg bags.

STORAGE AND STABILITY

NuCote SL Underlayment Premium has a shelf life of 12 months when stored in the original containers in a cool, dry place, away from direct sunlight. Failure to do so will result in a reduction of shelf life.

SURFACE PREPARATION

Concrete substrate must be structurally sound. Remove all oil, grease, paint, corrosion, dust and surface deposits. This can be done by wire brush or sand blasting. Ensure the surface is dry or prime with **NuCote NuCem Primer**, **NuCote MT Primer** or **NuCote GP Primer** to improve the bond.

SUBSTRATE REQUIREMENTS

Ensure the concrete substrate has a minimum of 25 MPa in compressive strength, 1.5 MPa in tensile strength and less than 5 % moisture content.

Before carrying out any work, the concrete substrate should be tested to determine the moisture vapour emission rate (MVER) according to test method ASTM F1869 or internal relative humidity (IRH) according to test method ASTM F2170 or use any approved and reliable substrate moisture testing equipment. For concrete slabs with an MVER of less than 5 lbs/1 000 ft²/24 hrs, use **NuCote GP Primer** one coat at 200 µm wet film thickness for resinous floors or NuCote NuCem Primer for cementitious systems. If the MVER is over 5 lbs/1 000 ft²/24 hrs use **NuCote MT Primer** one coat at 200 µm followed by another coat of NuCote GP Primer with scatter aggregates (whenever scatter aggregates are specified).

PRIMING

Ensure the surface is dry and prime with **NuCote NuCem Primer** or **NuCote MT Primer** to improve the bond.

NB: It is highly recommended that all outside substrate areas be primed with **NuCote MT Primer** and fully broadcast with **NuCote Scatter Agg** before application of **NuCote SL Underlayment Premium**.

LIMITATIONS

- Do not use **NuCote SL Underlayment Premium** at temperatures below 15°C. Avoid excessive heat (30°C and higher).
- Slab temperature: 15 - 25°C
- NuCote SL Underlayment Premium** cannot be reworked by later addition of water.
- Foot traffic is allowable in approximately 3 hours.
- Application thickness: 3 - 15 mm.
- Floor covering installation: After 24 hours, depending on thickness and ambient conditions.
- NuCote SL Underlayment Premium** is only suitable as an underlayment application. If a durable floor covering is not going to be installed over the system, then a protective coating must be applied over the cured product.

MIXING

Mix with a mechanical low speed mixer (maximum of 600 rpm).

Mixing water temperature: 15 - 25°C

It is important that the water/powder ratio is strictly adhered to

SET TIMES

Water addition	5 L per 22 kg
Initial Set	1 Hour
Light traffic	3½ Hours
Final Set	24 Hours

CLEANING

Clean hands and skin immediately after use with industrial hand cleaner. Clean tools and equipment immediately after use with tap water.

DISCLAIMER

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 **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 SL Underlayment Premium**. 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**.

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™ SL Underlayment Premium** 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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 **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.