

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

NuCote PU Lockcoat is a polyurethane roller applied coating system. It is designed for over-coating of PU Screeds and Coving Mortars. It can also be used directly onto concrete substrates. The product is HACCP compliant and has anti-bacterial properties. The finish on the flooring system offers a smooth homogenous finish, unless used in conjunction with the **NuCote PU RT** or **NuCote PU HD** systems.

ADVANTAGES

- Flowable, fast installation.
- Seamless & easy to clean.
- Compatible with NuCote PU Screed Systems.
- Good impact abrasion & chemical resistance.
- Excellent temperature resistance.
- Non-toxic.
- HACCP Compliant

APPLICATION AREAS

- Overcoating NuCote PU Screed systems.
- Food & beverage manufacturing.
- Processing plants.
- Abattoirs.
- Chemical processing plants

TECHNICAL DATA

DESCRIPTION	RESULTS
Compressive Strength	>50 MPa
Tensile Strength	>12 MPa
Flexural Strength	>20 MPa
Concrete Adhesion	>1.5 MPa (Concrete failure)
Impact Resistance	1 kg >1.8 m 2 kg >1.5 m
Hardness	80 Shore D
Slip Resistance	Dry >70 Wet >25
Water Uptake (Permeability)	Nil
Foot Traffic	12 to 16 hrs
Heavy traffic	24 hours
Chemical Resistance	Refer to chemical chart
Heat Resistance	-5°C to 80°C @ 0.25 mm
Kit yield	5 L
Coverage @0.25 mm	12.4 m ² /Kit

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

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PACKAGING

NuCote PU Lockcoat is supplied as a three-component 5 l 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 6 months from date of manufacture in original packaging.

SURFACE PREPARATION

Remove all previous coatings, unbonded concrete and laitance mechanically through diamond grinding, abrasive blasting or scarifying to obtain a sound and porous surface (sandpaper texture). Sweep dust and loose debris followed by vacuuming, to obtain a dry and dust-free surface. It is standard practice to ensure grooves 5 mm by 5 mm, run parallel to and 150 mm from all walls, plinths, finished edges, expansion joints, columns.

MIXING

Ensure that **NuCote PU Part A** is mixed in the containers prior to decanting by shaking well. Decant Part A into a mixing vessel or bucket, start mixing for 1 minute then add Part B and mix till uniform. Then add the Part C (aggregate bag) and continue to mix for a further 2 minutes until uniform, lump free and flowable consistency.

PLACING

NuCote PU Lockcoat is either roller or brush applied as a thin film coating, generally across the floor and over the curved skirtings and bund walls.

SUBSTRATE REQUIREMENTS

Concrete substrates or polyurethane screeds must have a minimum compressive strength of 25 MPa, a minimum tensile pull-off strength of 1.5 MPa, a moisture content of < 50 % and be free of oil, fat, grease, dust, and loose friable materials. The surface finish of the concrete or substrate should be class 2 (AS 3610).

Note: Any substrate repairs or levelling can be achieved using approved **NuCote products**, depending on project requirements. Consult with a NuCote Technical Representative.

MAINTENANCE

Constant and regular cleaning is vital to any resin flooring system. Use of any solvent free detergents is advised to keep the floors in good condition.

CLEANING

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

LIMITATIONS

- Working temperatures between 10 and 25°C.
- NuCote PU Lockcoat will not accommodate movement cracks.

SAFETY AND HANDLING

Please read the Materials safety datasheet as supplied by us for this product to ensure compliance with the OHS Act 85 of 1993. The finishes system is not hazardous to health or environment.

COLOURS

	Agate Grey	RAL 7038
	Basalt Grey	RAL 7012
	Umbra Grey	RAL 7022
	Beige	RAL 1001
	Emerald Green	RAL 6001
	Honey Yellow	RAL 1005
	Ruby Red	RAL 3003

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 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.

www.nucote.co.za
011 421 0313



 **NuCote**TM
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.

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 **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 PU Lockcoat** 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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