

TECHNICAL DATA SHEET

NuCote Epoxy Paste High-Build Epoxy Paste

PRODUCT DESCRIPTION

NuCote Epoxy Paste is a two-component solvent free, high build and thixotropic epoxy paste for filling blow holes and cracks in concrete substrates and steel surface imperfections before application of a topcoat. **NuCote Epoxy Paste** is designed for use as a heavy-duty adhesive and bedding compound and is trowel applied.

ADVANTAGES

- Easy to use.
- Thixotropic properties & nonslumping.
- Fast setting.
- 100 % Solids.
- Supplied as a 1:1 by volume system.

APPLICATION AREAS

- Epoxy based skim coat.
- Repair of substrate imperfections.
- Adhesive.
- Bedding epoxy-based mortar.
- Anchor bolt installation.

TECHNICAL DATA

DESCRIPTION	RESULTS
Pot Life (Minutes)	< 20 Minutes at 25°C
Specific Gravity (g/l)	± 1.5
Over-coating time	2 – 24 hrs
Compressive Strength (MPa) (ASTM 6319)	> 70 MPa
Slant Shear Strength	> 30 MPa
Coverage (m ²)	1.6 m ² /Kg (Depending on wastage and surface imperfections)

Note: The above results were obtained under laboratory conditions.

PACKAGING

NuCote Epoxy Paste is supplied as a two-component 2 Litre kit.

STORAGE AND STABILITY

Both NuCote Epoxy Paste Part A and Part B have a shelf life of 12 months from date of delivery when stored in the original containers in a cool, dry place. Failure to do so will result in a reduction of shelf life.

SURFACE PREPARATION

CONCRETE:

Mechanical preparation of the substrate is important before priming with **NuCote MT**

The substrate should be structurally sound and free of oil, dust and debris, grease, paint, corrosion deposits, laitance or other surface deposits. The surface should be prepared by light grit blasting to exposed aggregate surface and reveal imperfections and blow holes. Any cracks or bug holes should be filled with **NuCote Epoxy Paste** after application of **NuCote MT Primer**. Consult NuCote Technical sales staff for advice on substrate survey and preparation.

STEEL:

The steel surface should be grit blasted to minimum SA 2 ½. A corrosion protection primer should be applied first, followed by **NuCote Epoxy Paste**.

POT LIFE AND CURING

NuCote Epoxy Paste has a pot life of up to 20 minutes at an ambient temperature of 25°C. The product can be applied at temperatures between 10 and 25°C. Should the temperature increase, an accelerated reaction can be expected.

MIXING

NuCote Epoxy Paste is supplied as a 1:1 by volume system. Premix both base (Part A) and hardener (Part B) to disperse any settlement and to ensure homogeneity. Add Part B to Part A and depending on the quantity to be used, mix using a spatula (for small quantities) or a slow speed drill (350 – 500 rpm) (for full kit mixing) with an NuCote approved mixing paddle.

Mix well for 2 minutes until both components have fully dispersed and a homogenous, uniform colour is achieved. Ensure to rotate the mixer inside the container.

Due to the short pot life, only mix quantities that can be applied within 20 minutes.

APPLICATION

Apply using a heavy-duty squeegee and push the product into the pores to achieve a uniform finish. Apply any topcoat within 2 to 24 hours after application.

CLEANING

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

LIMITATIONS

- Working temperatures between 10 and 25°C.
- **NuCote Epoxy Paste** will not accommodate

- Avoid excessive application.
- Avoid contact with skin.
- Do not release into sewer or surface water.

SAFETY AND HANDLING

NuCote Epoxy Paste Part A contains epoxy resins. Use only with adequate ventilation. Avoid breathing of vapours and prolonged or repeated skin contact. Protective clothing and gloves should be worn when handling this product.

NuCote Epoxy Paste Part B contains amine compounds. Use only with adequate ventilation and avoid breathing of vapours and prolonged or repeated skin contact. Protective clothing should be worn and contact with the body avoided. All sources of ignition should be removed.

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 Epoxy Paste 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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