

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

NuCote Epoxy Paste is a two-component, solvent-free epoxy-based product. Its paste consistency and rheological thixotropic properties makes it suitable for both vertical and horizontal surfaces requiring high build, high impact, chemical resistant and potable water lining, and for filling blowholes and crack imperfections on various substrates. **NuCote Epoxy Paste** is a heavy duty and high impact general adhesive, grout, liner and a bedding compound. It can be both trowel and brush applied. This product is suitable for use in areas requiring a high thickness.

ADVANTAGES

- Easy to apply
- Thermal shock resistance
- Crack resistance
- Excellent adhesion on various substrates
- Some chemical resistance
- Usable in immersed situations
- Can be used without priming
- Thixotropic properties – no slumping
- Free of formaldehyde
- Can be used in contact with potable water
- Long pot life
- Meets LEED VOC Limits

APPLICATION AREAS

- Epoxy-based skim coat
- Repair of surface imperfections
- High impact general adhesive
- Blow hole and crack filling
- Anchor bolts installation
- Tank lining
- Bedding compound
- General epoxy-based grouting

TECHNICAL DATA	RESULTS
Pot Life (Minutes)	40 - 60 Minutes at 25°C
Specific Gravity (g/l)	1.4 ± 0.5
Over-coating time	16 – 24 hrs
Compressive Strength (Mpa) (ASTM 6319)	> 70 Mpa
Slant Shear Strength	> 30 Mpa
Coverage (m²)	1.4 Kg per m² at 1 mm thickness (Depending on wastage and surface imperfections)
VOC	< 25 g/l

Note: The above results were obtained under laboratory conditions.

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PACKAGING

NuCote Epoxy Paste is available as a two-component 1 L, 2 L and 5 L kit.

STORAGE AND STABILITY

Both **NuCote Epoxy Paste** Part A and Part B have a shelf life of 24 months 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

NuCote Epoxy Paste does not require the substrate to be primed before application. Therefore, to enhance adhesion mechanical preparation of the substrate is important before applying

NuCote Epoxy Paste. The substrate should be structurally sound and free of oil, dust and debris, grease, paint, corrosion deposits, laitance or other surface deposits. Prepare or clean the substrate by light grit blasting or high-water pressure to exposed surface imperfections. Fill all substrate surface cracks or bug holes with **NuCote Epoxy Paste** during application. Consult **NuCote** Technical sales staff for advice on substrate survey and preparation.

POT LIFE AND CURING

NuCote Epoxy Paste has a 40 - 60 minute pot life at an ambient temperature of 25°C. Apply the product at a temperature of between 15 and 35°C. Should the temperature increase above 25°C, an accelerated reaction will occur, resulting in a reduction of pot life.

MIXING

Add all of part B to part A and, depending on the packaging quantity supplied, mix using a spatula for small quantities or a slow speed drill (350 – 500 rpm) for bigger quantity kit mixing. Mix with a mixing paddle for 2-3 minutes until both components have fully dispersed and a homogenous, uniform light grey colour is achieved. Ensure to rotate the mixer inside the container. **Due to pot life, only mix quantities that can be used within 60 minutes at a time.**

APPLICATION

Apply in a single coat at the specified thickness using a squeegee, steel trowel or brush. Apply any topcoat (if required) within 16 to 24 hours after application of **NuCote Epoxy Paste**. Any porous or absorbed areas still showing after applications, apply **NuCote Epoxy Paste** again on the affected surface area(s).

CLEANING

Clean hands and skin immediately after use with industrial hand cleaner. Clean tools and equipment immediately after use with **NuCote Cleaner MEK** or any other epoxy resin suitable cleaning solvent.

LIMITATIONS

- Working temperatures between 15 and 25°C.
- **NuCote Epoxy Paste** will not accommodate movement cracks.
- Avoid excessive application.
- Avoid contact with skin.
- Do not release into sewer or surface water in liquid form.

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

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 used 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 and gloves should be used and avoid contact with skin. Remove all sources of ignition.

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 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.