

## TECHNICAL DATA SHEET

## NuCote Flowable Epoxy Grout Heavy Duty Grout

### PRODUCT DESCRIPTION

**NuCote Flowable Epoxy Grout** is a two-component, solvent-free epoxy-based product. Its Flowable 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 Flowable Epoxy Grout** 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.
- 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.
- Can be used in contact with potable water.

### TECHNICAL DATA

DESCRIPTION	RESULTS
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Pot Life (Minutes)	60 Minutes at 25°C
Specific Gravity (g/l)	± 1.4
Over-coating time	16 – 24 hrs
Compressive Strength (Mpa)	> 70 Mpa (ASTM 6319)
Slant Shear Strength	> 30 Mpa
Coverage (m <sup>2</sup> )	1.4 kg/m <sup>2</sup> @ 1mm (Depending on Surface Damage)
VOC	<25g/l

Note: The above results were obtained under laboratory conditions.

### PACKAGING

**NuCote Flowable Epoxy Grout** is available as a two-component 1 Kg, 2 Kg, and 5 Kg kit sizes.

### STORAGE AND STABILITY

Both **NuCote Flowable Epoxy Grout Part A & 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 Flowable Epoxy Grout** does not require the substrate to be primed before application. Therefore, to enhance adhesion mechanical preparation of the substrate is important before applying **NuCote Flowable Epoxy Grout**.

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 Flowable Epoxy Grout** during application. Consult NuCote Technical sales staff for advice on substrate survey and preparation.

### POT LIFE AND CURING

**NuCote Flowable Epoxy Grout** has a 60-minute pot life at an ambient temperature of 25°C. Apply the product at a temperature of between 15 and 25°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 NuCote approved 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 Flowable Epoxy Grout**. Any porous or

absorbed areas still showing after applications, apply **NuCote Flowable Epoxy Grout** 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 A** or any other epoxy resin suitable cleaning solvent.

### LIMITATIONS

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

### SAFETY AND HANDLING

**NuCote Flowable Epoxy Grout 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 Flowable Epoxy Grout 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.

### 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.

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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 Flowable Epoxy Grout 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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