

POLYPOXY NF 2000

Epoxy repair putty & bedding mortar

POLYPOXY NF 2000 is an easy to use non-flowing, sand filled two component epoxy compound which can be used for bedding, gap filling, repair and adhesive applications.

CHARACTERISTICS

- ▶ Easy to use, non slumping
- ▶ Good impact resistance
- ▶ Resistant to acids, alkalis, oil, grease, hydro-carbon fuels and saline water
- ▶ No primer or bonding agent required
- ▶ High compressive strength
- ▶ Can be trowelled to smooth finish

FIELDS OF APPLICATION

- ▶ As Concrete repair: Repairing damaged concrete, filling of cracks.
- ▶ As a skim coat/filler on prepared floors prior to application of floor coatings and screeds
- ▶ As jointing compound: Can be used to join Pre cast concrete / GRC structures.
- ▶ As a bedding material: Can be used for fixing tiles on heavy duty areas, bedding bridge beams or bridge bearing.
- ▶ Excellent for anchoring bolts or replacement re-bar and filling bolt pockets.
- ▶ As a bonding agent: It bonds to almost all rigid surfaces.
- ▶ As a mould: It can be molded to any shape.
- ▶ For repair of ductile iron pipes.

APPLICATION INSTRUCTIONS

Surface preparation

Clean all the surfaces and remove any loose particles, laitance, dust, oil, grease, paint etc. Abrade the bond area to improve mechanical bond.

Mixing

POLYPOXY NF Part A and Part B shall be mixed thoroughly using a trowel or gloved hand until a uniform color and consistency is achieved. For small

mixes, ensure that both the parts are mixed as per the ratio of 60:40 (A:B).

Application

Application can be carried out by putty knife, trowel or wooden float. Press firmly to ensure proper adhesion and full contact. Additional build up can be done by multiple layer application. Thickness can be from 0mm – 5 mm. The application of additional layers should follow between 8 – 24 hours after the first application.

CLEANING

Clean all the tools with a POLYSOLVENT immediately after use. Hardened materials can be removed mechanically only.

STORAGE & SHELF LIFE

Store in a cool, dry place and keep away from all sources of heat and sunlight. In tropical climates, store in air condition rooms.

The shelf life is up to 12 months in un-opened conditions and if stored as per recommendations. Excessive exposure to sunlight, humidity and UV will result in the deterioration of the quality of the product and reduce its shelf life.

HEALTH & SAFETY

As with all construction chemical products caution should always be exercised. Protective clothing such as gloves and goggles shall be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

COVERAGE

3 kg kit will cover 1.67 m² at 1mm thickness.

TECHNICAL SPECIFICATION

PROPERTIES	VALUES
Color & Appearance	Grey/off white paste
Density, [g/cc]	1.80±0.05
Application life, @ 25°C @40°C	1 hr 45mins 45 mins
Compressive strength @7 days, [N/mm ²]	>60
Flexural strength @7 days, [N/mm ²]	>30
Tensile strength @7 days, [N/mm ²]	>12
Shear bond strength @7 days, [N/mm ²]	>40
Application thickness [mm/layer]	0 to 5
Tach free time @ 25°C @ 40°C	7 hrs 2 hrs 15 mins
Full cure @ 25°C @ 40°C	5 days 3 days
Application temp, [°C]	5 to 35
Service temp, [°C]	-5 to 70

All values given are subject to 5-10% tolerance

SUPPLY

POLYPOXY NF 2000 | 3 kg kit

* Refer to website for TDS

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Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

Manufactured in G.C.C.



Henkel Polybit Industries Ltd.
P.O. Box 48539, Sharjah, United Arab Emirates
Sales Tel: +971 6 572 2282, Fax: +971 6 572 2289
Factory Tel: +971 6 767 0777, Fax: +971 6 767 1669

Henkel Polybit Industries Ltd. (Branch)
P.O. Box 2230, Al Khobar 31952, K.S.A
Tel: +9663 8894110, Fax: +9663 8995313

Internet: www.henkelpolybit.com E-mail: polybit@henkelpolybit.com



Quality for Professionals