

Multi purpose, epoxy repair putty for underwater and damp environment applications

Uses

For permanent patching repairs to concrete structures particularly in underwater situations.

- Fabrication of concrete pipe intersections and general drainage work, including underground work.
- Assembly and repair of precast concrete units, especially where a fast initial cure is required.
- Repair of spalling concrete
- Grouting of starter bars and bolts particularly horizontal or overhead.

Advantages

- Resistant to abrasion and impact
- Resistant to a wide range of acids, alkalis and industrial chemicals
- Two pack colour coding gives visual check on correct mixing
- Can be used underwater and on saturated surface dry (SSD) concrete
- Can be hand mixed

Description

Nitomortar UA is a versatile two-component epoxy which forms a putty-like consistency. It cures at temperatures above 5°C to a very strong, dense solid.

The mixed material is applied to a suitably prepared surface and cures to form a complete impermeable repair unaffected by many forms of chemical attack.

It is supplied as a two pack colour coded material in pre-weighed quantities ready for on-site mixing and use.

Properties

Mix ratio	1 parts base : 1 part hardener by volume
Pot life:	30 minutes @ 20°C
Initial hardness:	2 hours @ 20°C 6 hours @ 5°C
Full cure:	7 days. Below 20°C, curing time will be increased
Minimum application temperature:	5°C
Specific gravity:	2.0 (approx.) mixed
Colour:	Grey, when mixed (may yellow / darken when exposed to sunlight or certain chemicals)
Compressive Strength:	>60 MPa @ 7 days

Instructions For Use

Preparation

All grease, oil, chemical contamination, dust, laitance and loose concrete must be removed by scabbling or light bush hammering to provide a sound substrate.

Concrete must be at least 14 days old.

Steel surfaces should be grit blasted to white metal. Surfaces showing any traces of oil must be degreased with a chemical degreaser prior to grit blasting.

Mixing

Thoroughly mix the resin and hardener either by trowel blending on a flat surface or by hand.

Wearing correct PPE (gloves), thoroughly hand mix equal amounts of resin (white) and curing agent (black) until an even grey colour putty-like consistency is obtained.

In cold weather the resin and hardener may be softened by placing the components in hot water. Take care that water does not contaminate the product.

Mix for minimum 3 minutes.

Application

Nitomortar UA should be worked well into the surface to be filled or bonded. Initially a thin smear should be applied to ensure the surface is properly 'wet' with epoxy. After applying this initial layer more Nitomortar UA may be applied to the desired thickness.

Both surfaces should be coated with Nitomortar UA before being joined. Bonded surfaces should be held rigidly together until the Nitomortar UA has set.

A smooth surface can be obtained by wiping with a wet cloth or trowel before initial cure.

Fosroc®

Nitomortar® UA

Cleaning

All tools and equipment should be cleaned immediately after use with **Fosroc Solvent 10**. Hardened material can only be removed mechanically.

Supply

Nitomortar UA is only available in New Zealand and is Made to Order.

Minimum order quantity; 10 packs

Lead time: 14 - 21 days

Nitomortar UA is supplied in 4 and 20 litre 2 component packs.

Nitomortar UA base of 4 litre pack:	FC320465-2L
Nitomortar UA hardener of 4 litre pack:	FC320466-2L
Nitomortar UA base of 20 litre pack:	FC320465-10L
Nitomortar UA hardener of 20 litre pack:	FC320466-10L
Fosroc Solvent 10 4 litre:	FC600800-4L
Fosroc Solvent 10 20 litre:	FC600800-20L

Storage

Nitomortar UA has a shelf life of 24 months from date of manufacture if kept in a dry, cool store in the original, unopened packs. As the product ages, the workability will diminish and mixing may require some pre-warming of the components.

Important notice

A Safety Data Sheet (SDS) is available from the Fosroc website. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.



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Parchem Construction Supplies Pty Ltd

1956 Dandenong Rd Clayton VIC 3168

Ph: 1300 737 787

www.fosroc.com.au

ABN 80 069 961 968

Distributed in New Zealand by: Concrete Plus Ltd

150 Hutt Park Road Gracefield Ph: 0800 657 156

www.fosroc.co.nz

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