Fosroc® Nitomortar® F4 Fillers

constructive solutions

Silica sand fillers for site formulating epoxy mortars

Uses

Nitomortar F4 Fillers are mixed with Nitomortar 903 epoxy binder to make epoxy screeds and mortars of varying consistency to repair concrete. These repairs are typically made prior to the application of subsequent epoxy coatings.

Advantages

- Simple mix designs to produce various epoxy mortars
- Chemically inert
- RCS (Respirable Crystalline Silica) Hazard Free*

Description

Nitomortar F4 Fillers are graded silica sand which has been cleaned and dried.

Nitomortar F4 Fillers are classified not hazardous for RCS in accordance with Australian Inventory of Industrial Chemicals; contains <0.1% RCS.

Design Criteria

Nitomortar F4 Fillers are mixed with Nitomortar 903 binder in the following proportions:

Litres of mixed 903 binder	Litres of F4 fillers	Kg of F4 fillers	Yield Litres	Consistency	7 day compressive strength
1	2	2.95	2.4	Fluid paste	76 MPa
1	3	4.42	3.2	Stiff paste	56 MPa
1	4	5.90	4.0	Trowellable	50 MPa
1	5	7.37	5.0	Dry mortar	45 MPa

Properties

Aggregate: Graded silica sand.

Colour:	Natural sand
Grain shape:	Round
Sizing (nominal):	0.1 mm to 0.5 mm

Application Instructions

Mix the required amount of Nitomortar 903 as per the Design Criteria section. To this mixed binder then add the required amount of Nitomortar F4 Fillers to achieve the consistency required. A forced-action mixer is essential. Mixing at a slow speed (400/500 rpm) in a suitably sized drum using appropriate equipment such as a 120/140mm x 600mm Helical mixing paddle fitted to a heavy-duty 1600W mixer.

Refer to the Nitomortar 903 technical data sheet for detailed application instructions.

Supply

Nitomortar F4 Fillers 20kg:	FC312060-20KG

Coverage/Yield

Refer to the Design Criteria section

The coverage figures given are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced.

Storage

Store in dry location in original packaging.

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.

constructive solutions

*Sold under license from Fosroc International Limited. Fosroc, Nitoflor and the Fosroc logo are trade marks of Fosroc International Limited, used under license.

Oct 2025

Parchem Construction Supplies Pty Ltd
1956 Dandenong Rd Clayton VIC 3168
Ph: 1800 812 864
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 NZBN 9429033691282