Fosroc®
Nitoseal® MB180

constructive solutions

Bituminous mastic joint sealant compatible with bitumen based membranes

Uses

Waterproof sealing of joints, seams, ventilation tubes, drainpipes, sealing terminations of bitumen based waterproofing membranes

Adhesive for synthetic materials, tiles, concrete, rubber, insulating panels etc.

Advantages

- Compatible adhesion to concrete timber and steel.
- Compatible with asphalt or bituminous surfaces.
- Can be applied under humid conditions.
- Thixotropic - won't drip, flow or spill.
- Remains flexible.
- Resistant to moisture

Description

Nitosela MB180 is a solvent-based plasto-elastic bituminous sealant, reinforced by fibres, for sealing and reparations on bituminous surfaces. After curing a permanent flexible mass is formed.

Properties

Data quoted is typical for this product but does not constitute a specification.

Form:	Low slump semi stiff skinning mastic compound
Specific gravity:	1.25± 0.02
Colour:	Black
Physical/chemical change:	Dries by solvent release
Skinning time:	30 mins @ 25°C / 50%RH
Drying time (solvent release):	0.5 to 1mm / 24 hours at 23°C and 50% RH, longer if lower temperature or sealant depth greater than 20mm
Application temperature:	1°C to 30°C

Application Instructions

Joint preparation

Ensure joint surfaces are completely dry, clean and frost free. Joint backing must also be dry. Remove all dirt, dust, laitance and loose material by vigorous wire brushing.

Remove all rust, scale and loose surface coatings from metal surfaces. Remove any oil or grease with Solvent 10.

Where a neat joint finish is required, cover the joint face edges with masking tape before Nitoseal MB180 application and remove the masking tape immediately after the sealing work has been completed.

Priming porous surfaces

Non-moving joints normally do not require use of primer, however excessively porous surfaces or friable surfaces may need priming. Fosroc Primer 24 should be considered in these conditions. Consult Fosroc for advice.

Priming non-porous surfaces

Not normally required. Where necessary, metal surfaces should be cleaned using Fosroc Solvent 10. Ferrous metals should be treated with an anti-corrosion primer.

Application

Nitoseal MB180 may be applied by gun or by trowel. When loading sausage into gun ensure nozzle is cut to the required length and angle, and that the sausage membrane has been punctured.

Hold gun firmly against joint at a constant angle of about 45°. Guide nozzle along the joint gradually, ensuring good contact with joint surface. Never pump the trigger hard. Wipe the nozzle occasionally to ensure a clean extrusion.

After sealant has been applied, it should be tooled to a slightly concave surface with a wooden spatula, which may be moistened with White Spirits or similar solvent.

Clean up

To be removed from equipment immediately after use with a solvent such as Fosroc Solvent 10 or White Spirits. Do not use solvents on hands, use suitable proprietary skin cleaner.

Limitations

Nitoseal MB180 is not suitable for permanent water immersion.

Nitoseal MB180 should not be used in closed tanks where poor ventilation will seriously inhibit evaporation of solvent from the Nitoseal MB180. Nitoseal MB180 is not suitable for trafficked surfaces. Wide joints are liable to mechanical damage.

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Supply

Nitoseal MB180 is supplied in 600ml sausages in cartons of 12.

Nitoseal MB180:	FC900223-600ML
Fosroc Solvent 10:	4 and 20 litre drums

Guide to Nitoseal MB180 usage quantities:

Joint size width x depth (millimetres)	Length of joint sealed per 600ml sachet (metres)
10 x 20	3.0
15 x 15	2.6
15 x 20	2.0
20 x 20	1.5
20 x 25	1.2
20 x 30	1.0
25 x 25	1.0

Storage

Nitoseal MB180 should be stored in original, unopened packaging between 5°C and 30°C.

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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