



constructive solutions

Nitotile LM*

Latex-modified, tile adhesive

Uses

Nitotile LM is a high quality adhesive for the permanent fixing of tiles. Typical uses include:

- Wet areas - kitchens and bathrooms
- Swimming pools
- Fixing marble tiles
- Fixing heavy elements e.g. brick slips, concrete tiles
- Bridges, underpasses and high rise buildings

Advantages

- Formulated to suit Middle East conditions
- Enhanced bond and tensile strengths
- Good open wet time & slip resistance
- Safe, economical and easy to use
- Water resistant - suitable for submerged conditions
- Early return to service

Standards compliance

Laboratory tests show Nitotile LM conforms to BS5980:1980 Class AA Type 1.

Description

Nitotile LM is supplied as a two component pack, comprising separate powder and liquid components, which requires only the on-site addition of clean water to produce a consistently high performance adhesive, compatible with most common tile types.

Properties

Density	: 1650 kg/m ³
Tensile strength (BS 6319, Pt 7)	: 1.7 N/mm ² @ 28 days
Compressive strength (ASTM C109)	: 11.0 N/mm ² @ 28days
Shear adhesion (BS 5980:1980)	: Complies to Class AA
Bond strength	: 1.7 N/mm ² @ 7 days
Minimum open time	: 20 minutes

Technical Support

Fosroc offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, AutoCAD facility and dedicated specification assistance in locations all over the world.

Instructions for use

Surface preparation

All surfaces must be sound and thoroughly clean before Nitotile LM is applied.

All traces of grease, oil and loose particles of mortar, old wallpaper, paint etc. must be physically removed.

Surfaces

Nitotile LM can be applied directly on concrete, cement screeds, and cement or lime mortar. Special attention must be given to new construction prior to commencing tiling. Tiles should not be placed on concrete or blockwork until all shrinkage movement has taken place.

Note: Nitotile LM should only be used on gypsum or gypsum board substrates after priming with Nitobond PVA*.

Mixing

A slow speed drill fitted with a suitable mixing paddle and mixing vessel of minimum 30 litre capacity are recommended.

Measure out 4.4 to 4.8 litres of clean water into the mixing vessel and add the liquid component, stir thoroughly until dispersed.

With the mixing paddle in operation, add the powder component to the mix and continue mixing for 2 to 3 minutes until a uniform, lump-free consistency is achieved.

Application

Once mixed, Nitotile LM is spread on the substrate to a uniform thickness of 2 - 3 mm.

This is then combed horizontally. Place tiles firmly into adhesive bed ensuring good contact with a twisting motion.

Only apply to areas which can be tiled in the adhesive's open wet time (up to 1 m² at a time).

Nitotile LM*

Joints

It is recommended that when fixing ceramic tiles, a minimum spacing of 2 mm be left around each tile.

Finishing

Remove excess adhesive with a damp cloth before material has set.

Joint grouting with Nitotile LM Grout*↑ or Nitotile Grout*↑ may be commenced 24 hours after tiles have been laid.

Cleaning

Nitotile LM should be removed from tools, equipment and mixers with clean water immediately after use.

Cured material can only be removed mechanically.

Limitations

- Nitotile LM should not be used when the temperature is below 5°C and falling.
- The product should not be exposed to moving water during application.

If any doubt arise concerning temperature or substrate conditions, consult your local Fosroc office.

Estimating

Supply

Nitotile LM powder	:	20 kg bags
Nitotile LM liquid	:	0.8 litre

Yield

Nitotile LM	:	15.4 litres/pack
--------------------	---	------------------

Storage

When stored in a dry conditions in the original, unopened bags, Nitotile LM will have a shelf life of 12 months. If stored at high temperature and/or high humidity conditions the shelf life will be reduced.

Precautions

Health and safety

Nitotile LM contains cement powders which, when mixed with water or upon becoming damp, release alkalis which can be harmful to the skin.

During use, avoid inhalation of the dust and contact with the skin or eyes. Wear suitable protective clothing - eye protection, gloves and respiratory equipment (particularly in confined spaces).

The use of barrier creams to provide additional skin protection is also advised. In case of contact with the skin, rinse with plenty of clean water, then cleanse thoroughly with soap and water.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

Fire

Nitotile LM is non-flammable

* Denotes the trademark of Fosroc International Ltd.

↑ See separate data sheet



Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service.

Fars Iran Limited

No. 9, 25 th St., Khaled Eslamboli
(Vozara) Ave., Tehran 15139 - Iran

telephone:
+98 (21) 88719021

fax:
+98 (21) 88721664

email:
iran@fosroc.com

www.fosroc.com

