

TECHNICAL DATA SHEET

NOVAMASTIC

Non-slump, cement based tile adhesive specially designed for large format tiles

What makes NovaMastic so unique is that it will not slump with tiles on the wall or the floor. NovaMastic accommodates shrinkage movement associated with early age concrete and screeds.

KEY FEATURES

- Commercial Grade
- Flexible, Non Slump
- Extended Open Time
- Adhesive-meets C2S1TE classifications

Ideal product for commercial applications e.g. shopping centres, home units and project homes.

Suitable for wall and floor applications and internal and external use.

Ideal for bonding a large range of tile types including ceramic, fully vitrified, porcelain, natural stone, terrazzo, glass and mosaics.

Ideal for application of tiles over Novaproof modified polyurethane waterproofing membrane.

Low VOC content- meets Green Building Council of Australian Green Star IEQ-13 requirements.



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CHARACTERISTICS

Suitable for wall and floor applications and internal and external use. Ideal for bonding a large range of tile types including ceramic, fully vitrified, porcelain, natural stone, terrazzo, glass and mosaics. Ideal for application of tiles over Novaproof FR.

SUBSTRATES

Concrete, renders, screeds, Novaproof waterproofing membrane, block work, gyprock, plasterboard and fibre cement surfaces.

PREPARATION

Ensure surfaces are sound and free from movement, oil, grease, wax, dust and any curing and release agents and any other barrier materials. Ensure surface to be tiled over is strong enough to support the weight of the tiles being fixed. Surface needs to be dry before tiling, with no residue or permanent damp.

CONCRETE & CEMENT RENDER SCREEDS

Ensure all concrete slabs are allowed to cure for at least 7 days in accordance with AS 3958.1-2007 and have a wood float finish. The maximum variation in the plane of the concrete must not exceed 5mm in 3 meters for floors and 4mm in 2 metres for walls. Steel troweled finished concrete surfaces must be mechanically abraded or primed first using Optimus Primer. All render surfaces must be allowed to cure for at least 24hrs. prior to commencing tiling

PLASTER BOARD /FIBRE CEMENT SHEET

WALL AND FLOOR

Fibre cement sheeting must be the correct sheeting for the installation and be used and installed in accordance to the manufacturer's written specifications. The surface must be primed with NovaPrime.

Plasterboard sheets must be the correct sheeting for the installation and be used and installed in accordance to the manufacturer's written specifications. The surface must be primed with NovaPrime.

EXISTING TILES

Tiles need to be sound and clean. Remove all cracked, drummy or otherwise unsound tiles and repair appropriately. Prime surfaces using Optimus Primer. Contact Novatex Products before commencing if in doubt about required surface preparation.

EXPANSION JOINTS

Must be installed in accordance with Australian Standard AS3958.1-2007.

Movement Joints must be placed from the substrate through the tile bed up to the face of the tile.

Movement joints must be clean and free from dirt, adhesive droppings and tile spacers. They must be a minimum of 6mm wide and no wider than 10mm. they should be filled with a suitable elastomeric sealant.

Movement joints must be placed:

Every 4.5 metres externally and every 6 metres internally. Around the perimeter of the floor; over existing joints in the substrate. Where 2 different materials meet (e.g. wood and concrete). Around fixtures in the substrate (e.g. columns). Internal vertical corners; changes in direction of the tiling at changes in storey height. Over existing movement joints.

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PRIMING

All porous surfaces should be primed using Nova prime (refer to Nova Prime data sheet for correct application). Non porous surfaces should be primed using Optimus Primer (refer to Optimus Primer data sheet for correct application).

MIXING

20kg of NovaMastic powder requires 4.5 litres of water. Always add powder to liquid. Allow to stand for 3min and then re-stir. Adhesive is now ready to use.

APPLICATION

Once the substrate has been correctly prepared then apply the adhesive onto surface. As a general guide use a minimum 10mm notched trowel for floor tiles and a minimum 6mm notched wall tiles. NovaMastic can be applied at a bed minimum thickness between 2 to 10mm. Tiles must be firmly pressed in the freshly troweled adhesive, slide the tile at a right angle to the notch pattern to ensure 100% coverage is achieved. For tiles with uneven or lugs on the back of the tile may need to be buttered with adhesive as well.

GROUTING

Commence grouting when tile adhesive has hardened sufficiently so that the tiles will not be dislodged. Nova Grout should be mixed with Nova Mix Additive as per grout packaging instructions.

CLEAN UP

Excess adhesive can be removed using a clean damp cloth while still wet. Tools and other equipment can be cleaned up using water while the adhesive is still wet.

COVERAGE

A 20kg bag of NovaMastic will cover approximately 12m² on walls using a 6mm notched trowel and 7m² on floors using a 10mm notched trowel. The coverage will vary depending on substrate condition, tile type and application technique.

PACKAGING

NovaMastic is available in a 20kg bag.

SHELF LIFE

A bag of NovaMastic, when kept in a cool, dry environment, and stored above ground level, will have a shelf life of 12 months.

PRECAUTIONS

Do not apply NovaMastic in temperatures below 5°C and above 35°C. NovaMastic has an open time of 35 minutes and an adjustment time of 60 minutes. Please be aware of site conditions when considering times and only spread enough adhesive so that tiles can be fixed while the adhesive is still wet. For applications or situations not mentioned in this data sheet please contact Novatex Products Pty Ltd. For a full MSDS for NovaMastic please contact Novatex Products Pty Ltd. NovaMastic being cement based is alkaline in nature, and therefore may cause dermatitis. It is recommended that applicators wear PVC gloves or similar and safety goggles.

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TECHNICAL DATA

Colour	White/ Off White
Mixing Ratio	Approx. 4.5L water per 20kg powder
Application Properties	at 23°C and 50% RH
Open Time	35 minutes
Adjustment time	60 minutes
Grouting time	8 hours
Ready for use	24 hours
Pot life	2 hours
Suitable for Under floor heating	Yes
Mechanical Properties (AS 4992)	
Tensile Adhesion Strength after 28 days dry	1.9 MPA
Water immersion	1.2 MPA
Heat	1.2 MPA
Freeze Thaw	1.2MPA
Specific Gravity	1.4kg per litre
Classification	C2S1TE

Disclaimer: Please note: Recommendations and advice regarding the use of this product are to be taken as a guide only. Novatex shall not be liable for any inaccuracy in the information given or for any loss, injury or damage whatsoever resulting from its use. To the full extent permitted by law, Novatex Products liability is limited to its discretion, to replacement of goods or the supply of equivalent goods. For applications/ situations not mentioned on this packaging, please contact your nearest Novatex office. The information supplied is to the best of our knowledge true and accurate. The actual application of the product is beyond the manufacturer's control. Any failure or damage caused by the incorrect usage of the product is not the responsibility of the manufacturer. The manufacturer insists that all workmanship must be carried out in accordance with the manufacturer's specification. To the full extent permitted by law, Novatex Products Pty Ltd liability is limited to its discretion, to replacement of good or the supply of equivalent goods.

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