

NOVAFIX

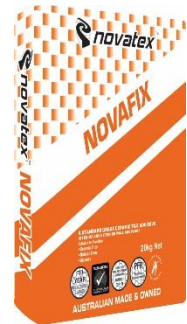
CEMENT BASED TILE ADHESIVE

TECHNICAL DATA SHEET

NOVAFIX is an off white cement based tile adhesive which uses the unique PFR technology.

What makes NOVAFIX so unique is that with the incorporation of PFR technology, NOVAFIX has superior shear and compression strengths.

- **High performance**
- **Superior impact strength**
- **Extended Open Time**
- **Adhesive-meets C1 classifications**



Suitable for Internal and external applications.

Ideal for bonding ceramic, terracotta tiles, pavers and slate.

Ideal for application of tiles over aged concrete slabs.

Low VOC content which easily meets Green Building Council of Australia Green Star IEQ-13 requirements.

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NOVAFIX

CEMENT BASED TILE ADHESIVE

Designed for fixing

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

Ideal for bonding a range of tile types of ceramic, terracotta tiles, pavers and slate.

Substrates

Concrete, renders, screeds, rendered block work surfaces.

Preparation

Ensure surfaces are sound and free from movement, oil, paint, grease, wax, dust, 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 6 weeks 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 metres 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 7 days prior to commencing tiling

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.

Priming

All porous surfaces should be primed using NovaPrime (refer to NovaPrime data sheet for correct application).



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Mixing

20kg of NOVAFIX powder requires 5.5 litres of water.

For use on heavy duty floors like driveways, or in pools, mix 2.0 litres of Novamix Additive with 3.5 litres of water. Mix and then add SUPANOVA as above. Stand for 5 min and restir.

Application

All tiling must be carried out in accordance with AS3958-2007 – A Guide to Tiling. Once the substrate has been correctly prepared, apply the adhesive onto the surface using the correct square notched trowel. Use a 6mm trowel for wall tiles up to 200x200mm. Use a 10mm trowel for tiles up to 300x 300. For tiles 300x300 and larger use a 12mm trowel. Tiles that are 400x400 and over need to be back buttered. Use the flat side of the trowel to apply adhesive to the back of the tile about 1-2mm thick. NOVAFIX can be applied at a bed thickness between 2 to 10mm for walls and 3 to 10mm for floors. Tiles must be firmly pressed in the freshly trowelled adhesive, slide the tile at a right angle to the notch pattern to ensure 100% coverage is achieved and so there are no air gaps behind the tile.

Tiles that are uneven or have lugs on the back must be buttered with adhesive as well.

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.

Grouting

Commence grouting after about 8-16 hours when tile adhesive has hardened sufficiently so that the tiles will not be dislodged. This may take longer in cool weather. Follow the directions for the Novatex grout used.

Coverage

A 20kg bag of NOVAFIX will cover approximately 8m² on walls using a 6mm notched trowel and 5m² on floors using a 10mm notched trowel. The coverage will vary depending on substrate condition, tile type and application technique.

Packaging

NOVAFIX is available in a 20kg bag.

Shelf Life

When kept in a cool, dry environment unopened, and stored above ground level, will have a shelf life of 12 months.

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Precautions

Do not apply NOVAFIX in temperatures below 5°C and above 35°C.

NOVAFLEX has an open time of 25 minutes and an adjustment time of 40 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.

Do not set tiles into "skinned" adhesive. Remove any skinned adhesive and reapply fresh wet material. NOVAFIX is not suitable for direct stick to timber. Not suitable for glass or fully vitrified tiles like porcelain.

Not suitable for heavy stone on walls. Not suitable for framed floors.

Ensure that exterior tiling or tiling in wet areas has suitable falls to avoid ponding.

Protect tiling from water, rain and bad weather until at least 24 hours after grouting.

For applications or situations not mentioned in this data sheet please contact Novatex Products Pty Ltd.

For a full MSDS for NOVAFIX please contact Novatex Products Pty Ltd.

NOVAFLEX 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.

NOVAFIX can be used for fixing tiles in permanently immersed situations like swimming pools.

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Technical Data

Colour	Off White
Mixing Ratio	Approx. 5 Ltr water per 20kg powder
Application Properties at 23°C and 50% RH	
Open Time	25 minutes
Adjustment time	40 minutes
Grouting time	8 hours
Ready for use	24 hours (21 days before immersion in Pools)
Pot life	2 hours
Under floor heating	No
Mechanical Properties (AS 4992)	
Tensile Adhesion Strength	After 28 days dry: 1.5MPA
Water immersion	1.0MPA
Heat	1.0MPA
Freeze Thaw	1.0MPA

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Specific Gravity	1.3kg per litre
Classification	C1

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