



novatex
PRODUCTS PTY LTD

Technical Data Sheet

NOVAFLEX



Characteristics

- NovaFlex is a premium grade ,flexible off white rubber modified ,cement based tile adhesive
- It is designed for bonding all types of Ceramic, Marble, Porcelain, Vitrified, stone and mosaic tiles with the exception of green marble, onto concrete, render, rendered brickwork, block work ,Gyprock, Plasterboard, fibre cement and particle board surfaces.
- NovaFlex can be used for internal and external wall and floor applications
- NovaFlex can be applied over most acrylic based waterproofing membranes, Contact the manufacturer prior to commencing application.

Handy Tips

- Do Not apply NovaFlex in temperatures above 38oC and below 5oC
- NovaFlex cannot be used for fixing tiles in permanently immersed situations like swimming pools.
- For applications/situations not mentioned in this data sheet please contact Novatex Products Pty Ltd.
- For a full MSDS on this product 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.

New Generation Building Products



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Preparation

- Ensure new concrete is allowed to cure for a minimum of 7 days in accordance with AS 3958.1-1991.
- Allow rendered surfaces to cure for a minimum of 24hrs prior to tiling.
- Ensure surfaces are sound, dry and free from movement, oil, grease, wax, dust and any curing and release agents.
- Steel troweled finished concrete surfaces must be mechanically or chemically abraded prior to tiling.
- The concrete must not exceed 5mm in 3meters maximum variation of plane for floors and 4mm in 2 meters for walls.
- Pour primer onto floor surface and spread the primer using a brush, roller or broom ensuring the entire area is primed.
- Allow primer to dry for approximately 5 minutes before commencing tiling.

Expansion joints

Must be applied as follows:

- Over existing joints in substrate.
- Between two different substrates meet, E.g.: Timber to concrete.
- Around fixed elements, e.g.: Columns.
- At internal vertical corners.
- Around the floor perimeter.
- If Internal substrate dimensions exceed 15m or 9m if subjected to sun.
- External floor dimensions exceed 6m.
- Expansion joints must go through the adhesive bed to the background and kept from adhesive or dirt. Expansion joints must not be less than 5mm or greater than 100m in thickness.
- Expansion joints must be filled with flexible filler like Polyurethane. All expansion joints should be installed in accordance with AS 3958.1-1991.

Mixing

- 20kg of NovaFlex powder requires 6lts of water.
- Add water into a clean container and sprinkle NovaFlex slowly into liquid while mixing continuously until a smooth lump free mix is obtained. Always add powder to liquid.
- Allow to stand for 5min and then restir. Adhesive is now ready to use.

Application

- Once the substrate has been appropriately prepared in accordance with the above instructions then apply the adhesive onto surface.
- For floor tiles up to 330 x 330 in size a 10mm trowel should be used, For larger tiles a 12mm trowel should be used.
- A 6mm trowel should be used when tiling Mosaics on floor.
- For wall tiles up to 200 x 250 in size a 6mm trowel should be used, for larger tiles a 8mm to 10mm trowel should be used.
- Do not apply more than 1m² of NovaFlex at a time, applying rates greater than this could result in adhesive skinning over.
- To ensure no voids occur and full coverage of adhesive is achieved, press tile into adhesive giving a twisting and front and back sliding motion.
- For tiles with uneven or lugs on the rear it may be required to butter the rear of the tile in addition to applying adhesive on substrate.
- Adhesive bed thickness should be at least 2 to 3mm.
- Commence grouting after 6-8hrs when tile work is firm (refer to grout data sheet for correct applications).

Clean up

- Excess adhesive can be removed using a clean damp cloth while still wet.
- Rake adhesive that has come out in-between joints using a knife or trowel.
- Tools and other equipment can be cleaned up using water while the adhesive is still wet.

Coverage

- A 20kg bag of NovaFlex will cover approximately 12m² using a 6mm trowel.

Packaging/Shelf life

- NovaFlex is available in a 20kg bag.
- A bag of NovaFlex, when kept in a cool, dry environment, and stored above ground level, will have a shelf life of approximately 12 months.

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 liability is limited to its discretion, to replacement of good or the supply of equivalent goods.

Technical Data



Properties	Results
Appearance	Off white
Open Time	Approx. 20 minutes @ 20°C
Dry Time @ 20°C	6-8hrs
Pot Life	45min pending conditions

Novatex Products

P.O. Box 7123
Wetherill Pk NSW 2164
Ph: 02 9757 3525
Fax: 02 9757 3454

www.novatexproducts.com.au