

FLEXIBOND NS

Characteristics:

- Flexibond NS is a polymer modified, Non Slip flexible white cement based tile adhesive.
- It is designed for bonding all types of ceramic, stone and mosaic tiles onto a variety of substrates like concrete, render, rendered brickwork, block work, Gyprock, plasterboard, fibre cement surfaces.
- Flexibond NS should be used only on internal wall surfaces. These may be framed F/C sheet, plasterboard, rendered brick etc.
- Flexibond NS can be used for fixing low porosity tiles.
- Flexibond NS can be used to fix tiles over most waterproofing membranes. However it is advisable to contact the manufacturer prior to commencing.
- Do not use Flexibond NS for moisture sensitive stone like green marble.

Preparation:

- Ensure all concrete wall slabs are allowed to cure for at least 6 weeks and have a wood float finish.
- All rendered surfaces must be allowed to cure for at least 7 days prior to commencing tiling.
- The maximum variation in the plane of the concrete must not exceed 4mm in 2 meters for walls.
- Prefabricated concrete wall panels or concrete with release agents or curing compounds must be mechanically abraded.
- Fibre Cement sheet when used as a wall material must be a minimum of 6mm in thickness. For heavy duty commercial applications it should be a minimum of 9mm thick and all should be fixed in accordance with the manufacturer's instructions and the relevant standards.
- Gypsum plasterboard sheets when used as a wall substrate must be a minimum of 10mm thick, and installed in accordance with the manufacturer's instructions and the relevant standards.
- Ensure all surfaces are sound, dry and free from excessive movement, oil, dust, grease, wax, paint, curing compounds, release agents and any other loose contaminating materials.

- It is recommended that all surfaces must be primed with Uniprime, especially porous surfaces, to ensure a sound bond of the adhesive to the substrate.
- When applying the primer spread the primer using a broom, brush or roller. Ensure a thorough coat of the primer on the surface.
- Allow the primer to dry for approximately 30 - 40 minutes at 20°C prior to commencing tiling.

Expansion/Movement Joints:

- Expansion / movement joints must be provided to allow for movement between adjacent building components. They should be as follows:
 - Over Existing joints in the substrate where two different substrates meet.
Eg: Plasterboard and Concrete.
 - At internal vertical corners.
 - Around the perimeter of the floor.
 - On wall surfaces at storey heights horizontally and approximately 3m-4.5m apart vertically. Ideally they should be located over movement joints in the structural background and at structural material changes for example the horizontal joint at the bottom of floor slabs, vertical joints at internal vertical corners, and at junctions with columns.
- Movement joints should go right through the tile adhesive bed to the background and kept free from dirt and adhesive droppings. Movement joints must not be less than 6mm and not wider than 10mm. The movement joints must be filled with a flexible sealant like Silicone and constructed in accordance with AS3958:2007 - A Guide to Tiling.

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Mixing:

- The mixing ratio of Flexibond NS is 20kg of powder to 6.5 Litres of water.
- Pour 6.5litres of clean water into a drum and then gradually add the Flexibond NS while mixing continuously until a smooth lump free mix is obtained.
- Always add powder to liquid.
- Allow the mix to stand for 10 minutes, re-stir and then apply the adhesive onto the substrate.

Application:

- All tiling should be carried out in accordance with AS3958:2007 - Guide to Tiling.
- Once the surface has been appropriately prepared in accordance with RLA's instructions then apply the adhesive onto the substrate using an appropriate notched trowel. For walls, notching should be horizontal.
- For wall tiling use 6mm x 6mm square notched trowel for tiles up to 150mm x 150mm. For tiles larger than 150mm x 150mm up to 300mm x 300mm use a 8mm trowel and for even larger tiles use a 10mm trowel.
- Flexibond NS should be applied onto the substrate at a rate of 1m² at a time. Application rates greater than this can result in the adhesive skinning before the tiles are laid into it.
- Once the adhesive is applied onto the substrate ensure that it does not skin prior to bedding the tiles into it. Once the adhesive skins do not lay tiles into it but remove it and apply fresh adhesive.
- When placing the tiles into the adhesive press them in by using a sliding action. Ensure no voids occur and full coverage of adhesive is under the tiles.
- For tiles with lugs, grooves or large format tiles it is required to butter the back of the tile with adhesive in addition to trowelling the adhesive onto the substrate.
- The final bed thickness of the adhesive should be at least 2mm for wall tiling.
- Once the tiling is completed do not disturb the tiled surface for at least 24 hours at 20°C.

Clean up:

- Excess adhesive from the face of the tiles can be cleaned up with damp cloth while the adhesive is still wet.
- Adhesive that has oozed out into the grout joint must be raked out with a knife / spatula etc.
- Tools and other equipment can be cleaned up using water while the adhesive is still wet.

Coverage:

- A 20kg bag of Flexibond NS will cover approximately 12 - 14 m² using a 6mm notched trowel.

Grouting Application:

- Grouting application can commence 24 hours after the completion of tiling.

Packaging/Shelf Life:

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

Manual Handling

- Manual handling of this bag without due care and attention may result in personal injury.

Safety Directions

- Hazardous - Contains cement silica.
- Wear gloves and mask when handling.
- Wash hands thoroughly after use.
- Please refer to SDS for additional safety information.

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Handy Tips:

- Do not apply Flexibond NS in temperatures above 40°C and below 5°C.
- Flexibond NS is not recommended for external tiling applications.
- Flexibond NS is not recommended to be used as a flooring tile adhesive.
- Flexibond NS cannot be used for fixing tiles in permanently immersed situations like swimming pools, spas etc and permanently damp concrete slabs like those present around the pool surrounds etc.
- Flexibond NS 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.
- For a full SDS on this product please contact your nearest RLA office.

Technical Data

Appearance	White Powder	Pot Life	2 Hours @ 20°C
Bulk Density	1.09 +/- 0.05	Ready for grouting	16 hours @ 20°C
Open Time	Approx 20 minutes @ 20°C	Light foot traffic	24 hours
Adjustment Time	Approx 30 minutes @ 20°C	Ready for wet area service	3-4 days

Disclaimer: The information supplied is to the best of our knowledge true and accurate. The actual application of the product is beyond the manufacturers 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 AS 3958.1-2007. It is also the responsibility of the end user to ensure that the literature in their possession is the latest issue.



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