



**PRO**<sup>®</sup>  
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# FLEX ADHESIVE

## TECHNICAL DATA SHEET

### PURPOSE

**PRO GRIP FLEX ADHESIVE**<sup>®</sup> is a ready to use latex based paste adhesive designed for the installing of ceramic, clay natural stone and cement tiles and/or mosaics. This product is suitable for both wall and floor interior applications. The highly flexible nature of **PRO GRIP FLEX ADHESIVE**<sup>®</sup> makes this product ideal for fixing tiles onto pre-primed wood, gypsum boards and metal surfaces.

- SUPERIOR BOND STRENGTH
- HIGH FLEXIBLE
- INTERIOR APPLICATIONS



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## MIXING INSTRUCTIONS

**PRO GRIP FLEX ADHESIVE®** is a ready to use product and it must not be diluted with water or any other substance.

## SURFACE PREPARATION

These recommendations are in accordance with the SABS standard SANS 10107:2011 - The design and installation of ceramic tiles

- a. Ensure that surfaces to be tiled are sound (no cracks or crumbling), clean, free of dust, release agent, fungi, or any surface dampness. Fungi must be removed and the spores killed with the use of an effective fungicide. (A dilution of household bleach is sufficient)
- b. New walls and floors must be allowed to cure for minimum periods as listed below to ensure that movement due to shrinkage does not affect the installation.

Direct bedding onto new brick walls and concrete surfaces:	6 weeks
Newly plastered wall	2 weeks
Newly screeded floors:	4 weeks

- c. Very smooth surfaces such as steel trowelled and off-shutter concrete must be acid washed to remove laitance and then rinsed thoroughly with cold water and allowed to dry.
- d. Painted surfaces, gypsum plasters and surfaces that have old bitumen adhesive on them must be chipped in order to expose at least 80% of the substrate.
- e. Steel surfaces must be sanded to remove rust and then primed with an anti-corrosive primer.

\*This guideline only serves as a basic manual for the surface preparation, product selection and installation procedure for this type of application. Each installation needs to be assessed on merits and the products used and the procedures followed should be in accordance with the SABS code for the design and installation of ceramic tiles (SABS 10107:2011).



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## PRODUCT APPLICATION

### FLOOR TILING

1. Use a FLOOR TROWEL (notches 10mm x 10mm at 10mm intervals) spread only enough so that the area can be tiled within 10 minutes.
2. The above notched trowel will spread enough adhesive to apply the recommended minimum adhesive bed for floor tiling which is 5mm.
3. As a guideline 1 kg will cover approximately 0.5 square metres.

### WALL TILING

1. Using a FLOOR TROWEL (notches 6mm x 6mm at 6mm intervals) spread only enough so that the area can be tiled within 10 minutes.
2. The above notched trowel will spread enough adhesive to apply the recommended minimum adhesive bed for wall tiling which is 3mm.
3. As a guideline 1 kg will cover approximately 0.6 square metres.

## GENERAL APPLICATION INFORMATION

1. Ensure that the back of the tiles are free of dust and contamination.
2. **DO NOT BUTT JOINT TILES.**
3. Minimum grouting joint width for wall tiling is 2mm and for floors 3 mm unless otherwise specified by the tile manufacturer.
4. Bed tiles into wet adhesive with a twisting action in order to ensure adequate contact with the back of the tile. The use of a rubber mallet is recommended when bedding heavy thick tiles.
5. Excessively hot or cold ambient temperatures during installation will affect setting times and may affect bond strength.
6. Remove all adhesive from the grouting joints as the application progresses.
7. Tiles with very uneven backs will require buttering with adhesive prior to bedding into the wet adhesive bed.

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8. For permanently wet, extreme conditions and areas where moisture is present, this adhesive must NOT be used.
9. It is very important to allow for differential movement in all tiling applications so the inclusion of tile panel movement joints, structural movement joints and perimeter joints is essential.
10. Latex based adhesives require a degree of suction by either the substrate or tile to remove moisture from the system to allow cross linking of the latex to begin. Thus, this product is not suitable for use between dense non-porous substrates and non-porous tiles (e.g. porcelains).

## GROUTING RECOMMENDATIONS

1. Allow at least 24 hours for the adhesive to fully cure before grouting can commence.
2. Ensure that all adhesive is removed from the joints
3. Grout with **PRO GRIP WATERPROOF GROUT®** in various colours.



## PRECAUTIONS & LIMITATIONS

- a. Ensure that the above instructions are adhered to at all times and do not adulterate the product in any way as this could result in failure.
- b. Rubber gloves should be used when applying **PRO GRIP FLEX ADHESIVE®**. In the event of irritation, rinse skin under cold water. Consult a doctor if irritation persists.
- c. Keep **PRO GRIP FLEX ADHESIVE®** away from pets and children.
- d. Do not ingest and do not empty surplus grout down drains.



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## TECHNICAL DATA

(@ 25°C & 50% Humidity) *Cold temperatures or non-porous substrates or tiles may extend the open and setting times.*

Type		Paste
Colour		White
Final Drying Time		± 24 hours on porous surfaces at 25°C and 50 % humidity ± 48 hours on non-porous surfaces at 25°C and 50% humidity
Correction time		± 30 minutes
Coverage		± 2.5m <sup>2</sup> per 5 kg
Packaging		1 & 5 kg buckets
Storage		Keep container closed when not in use. Store at a moderate temperature
Shelf life		12 months under moderate temperature
Tools		Notched trowels at 10mm x 10mm at 10mm intervals
Type		Notched trowels at 6mm x 6mm at 6mm intervals

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