



ALCOLIN P300 TILE ADHESIVE

Description

ALCOLIN P300 GREY is a high quality, grey, cement-based ceramic tile adhesive specially formulated for interior/exterior wall and floor applications

Features & Benefits

- Good anti-slump properties – easily applied to vertical surfaces
- Good wet tack – holds tile instantly in place with no slip
- Good workability – easy to spread
- Cement based - suitable for interior and exterior applications



Applications

- ALCOLIN P300 GREY is formulated for interior/exterior wall and floor applications to cement render, screeds, concrete and primed fibre cement surfaces

Adhesion

Excellent adhesion to light mosaic, ceramic, stone, brick and clay tiles

Limitations

Not suitable for butt joining tiles

Do not tile over existing structural movement joints, rather have the new expansion joints coincide with these
 Not suitable for porcelain or vitrified tiles. For this application use ALCOLIN PORCELAIN FIX 6HRS TILE ADHESIVE
 Not suitable for bonding porous light coloured natural stone, marble or travertine as it may cause discolouration. ALCOLIN RAPID-SET MOSAIC MARBLE FIX has been specifically developed for this type of application

Safety instructions

ALCOLIN P300 GREY contains cement, which is alkaline and may cause skin irritation. Do not ingest. Keep away from children and pets. Do not empty into drains. Wear rubber gloves. Avoid contact with eyes. Allow any unused product to dry before disposing of the container. In the event of skin contamination, rinse thoroughly with cold water. Seek medical assistance if irritation or discomfort persists. Refer to our Material Safety Data Sheets for further toxicological information and comprehensive handling instructions

Surface preparation

Site conditions should comply with the latest SABS Standards editions: SABS 021 (Code of Practice for the Waterproofing of Buildings including damp-proofing and vapour barrier installation), SANS 10109-2:2004 (Concrete Floors Part 2: Finishes to concrete floors), SABS 0107:1996 (Code of Practice for The design and installation of ceramic tiling)

Surfaces must be dry, firm and clean, free of loose material, mould oil, grease, wax polish, organic growth and any moisture. Organic growth must be removed and the spores killed with an effective fungicide such as a household bleaching solution

At least one of the surfaces should be absorbent i.e. back of the tile or the substrate

Bitumen waterproofing membranes should be treated with at least a 3mm coating of ALCOLIN Z100 FLOOR SCREED/ALCOLIN Z101 RAPID SET FLOOR SCREED before applying adhesive

Cement-based plaster and screeds must be at least two weeks old and concrete surfaces at least four weeks old to avoid excessive movement due to shrinkage

Gypsum plaster surfaces The surface must be chipped to expose 80% of the substrate and primed with a coat of ALCOLIN PERMOBOND or scratch coat

Friable and chalking surfaces need to be primed with a coat of ALCOLIN PERMOBOND, which must be brushed well into the substrate

Water sensitive timber based surfaces should be sealed with the appropriate sealant e.g. polyurethane, prior to tiling

Painted surfaces must be chipped thoroughly to expose 80% of the substrate and a priming coat of ALCOLIN PERMOBOND applied

Floor coverings and bitumen coated surfaces (not waterproofing membranes) must be stripped clean and treated with ALCOLIN PERMOBOND or a scratch coat followed by screeding with ALCOLIN Z100 FLOOR SCREED/ALCOLIN Z101 RAPID SET FLOOR SCREED

Smooth surfaces such as power floated and off shutter concrete, the laitance must be removed and a priming coat of ALCOLIN PERMOBOND or scratch coat applied

Ceramic tile surfaces and existing tiles must be firmly in place. The surface should be primed with ALCOLIN PERMOBOND or scratch coat. Unsound or damaged surfaces must be chipped to expose 80% of the substrate and primed with a coat of ALCOLIN PERMOBOND or a scratch coat

It is essential that suitable damp proof membranes be in place to prevent rising damp

Under floor heating should be turned off for at least 48Hrs prior to and after application

Particular attention must be paid to the Tile Manufacturer's instructions. i.e. any pre storage conditions prior to installing

For ALCOLIN PERMOBOND, ALCOLIN Z100 FLOOR SCREED, ALCOLIN Z101 RAPID SET FLOOR SCREED, or ALCOLIN TILE GROUT application instructions, refer to the relevant data sheets

A scratch coat can be mixed as follows: premix 1 part cement: 3 part sand add diluted Permobond 1 part: 1 part water, until desired consistency is achieved

Expansion joints

- All expansion and movement joints to extend through adhesive bed and tiling. Do not tile over existing structural movement joints
- Movement joints should be located in both directions at maximum 5m for interior applications and every 3m for exterior applications
- Movement joints should also be located in all horizontal and vertical corners, against obstructions fixed to the structural background and over all discontinuities in building materials, e.g. at interfaces of concrete and brickwork
- In addition, perimeter joints should be located around any fixtures protruding through the tiled surface. See SABS 0107:1996 (Code of Practice for the design and installation of ceramic tiling)
- Do not tile over existing structural movement joints

Directions for use

- Minimum grouting joint width for walls is to be 2 mm and for floors 3 mm.
- Do not butt joint tiles
- Use a 6mm notched trowel for wall tiles, and a 10mm notched trowel for floor tiles, and apply to a thickness of 3mm on walls, and 6mm on floors. As a guideline, it is estimated that the coverage is 0,3 m² per 1 kg using a 6 mm x 6 mm notched trowel at 6 mm intervals. The estimated coverage depend on the nature of the surface to be tiled
- Heavily lugged, grooved or dovetailed tiles must be buttered with adhesive before bedding into the troweled adhesive in order to prevent any voids
- If the tiles do not have spacer lugs, plastic spacers may be inserted between the tiles to help maintain straight grout lines. Remove these after placing the tile, before they become firmly set in the adhesive
- Do not spread more adhesive than can be tiled in 10 minutes
- Press tiles firmly into wet adhesive with a twisting action (before surface drying/skinning occurs)
- Use a "RUBBER MALLET" to bed large or heavy tiles
- Occasionally lift a tile to check that full contact is being made between the tile and the adhesive
- USE ONLY DRY TILES
- Clean excess adhesive off tile surface, grout joints and tools while still wet

Mixing

- Add ± 3 volumes of ALCOLIN P300 GREY to 1 volume of clean cold water or gradually mix 20 kg of ALCOLIN P300 GREY to ± 4.5 liters of cold clean water
- Mix to a smooth paste
- Allow mix to gel for 5 minutes
- Remix before use. DO NOT ADD MORE WATER
- Do not mix more adhesive than can be used within ± 1 hour
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- NOTE: For enhanced adhesion, flexural strength and water resistance in particularly difficult conditions i.e. permanently wet or high traffic areas, replace the water addition rate for ALCOLIN P300 GREY with ALCOLIN PERMOBOND diluted 1 part Permobond with 3 part water

Grouting

- Ensure that the joints are free of tile adhesive residue and any foreign matter. Allow a minimum of 24 hours before grouting. Grout with ALCOLIN GROUT

Cleaning

- Tools can be cleaned with water and soap when adhesive is still wet

Storage stability

ALCOLIN P300 GREY adhesive must be kept in normal, dry conditions and protected from damp. The product has a shelf life of approximately 9 months if stored, as described above, in its original sealed moisture tight container

Product packaging

- 20kg pocket

Product data

i. Application data*

Initial setting time	± 6 hours at 25°C and 50% humidity
Final setting time	± 24 hours at 25°C and 50% humidity
Correction time	± 5 minutes at 25°C and 50% humidity
Open time	± 10 minutes at 25°C and 50% humidity
Pot life	± 4 hours at 25°C and 50% humidity
Pot life with Permobond	4hrs
Grouting	After 24 hours
Mixed weight	±1.8 kg per litre
Coverage/kg	± 0.3m ² using 6mm notched trowel (6 m ² / 20kg pocket) ± 0.2m ² using 10mm notched trowel (4 m ² / 20kg pocket)
Tools	Walls - 6mm X 6mm tooth gap at 6mm intervals; (Heavy or large tiles - use floor trowel) Floors - 10mm X 10mm tooth gap at 6mm intervals

**Please refer to "Instructions for Use" section for further details*

ii. Performance data

Moisture resistance	Good
Moisture resistance with Alcolin Permobond	Very good
Service temperature range	+ 100°C

The above information is only offered, as a guide to the use of this product. Furthermore, users should satisfy themselves that it is suitable for their needs. Since we have no control over the conditions under which it is used, we cannot accept responsibility for problems caused by the use and/or application of this product.

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