

ARMORFIX 112

HIGH PERFORMING FAST SET TILE ADHESIVE

PRODUCT DESCRIPTION

ARMORFIX 112 is a grey colored, polymer enriched, cementitious flexible tile adhesive with high performing, fast setting, and waterproof cement based tile adhesive. It is suitable for thin and thick bed applications, internal and external applications.

It is suitable for the fixing of porcelain and ceramic tiles on floor and wall of concrete, concrete block and cement render. It can also be used for the fixing of glass mosaic, stone marble, Precast concrete facings, terrazzo and brick slips. It can also be used for fixing tiles on gypsum plaster, plaster board, chipboard and wood. It is suitable for use in Swimming pools as well. It is specifically suitable for projects with tight schedule requiring grouting within 4 hours.

BENEFITS

- High adhesive tensile strength
- Non-slip & Excellent grab
- suitable for large tiles
- Fast curing time, grouting can be carried out the same day within 3-4 hours
- Conforms to EN 12004 Class C2TF
- compensates changes in temperature and elongations of the substrate.
- Non sag properties with high initial adhesiveness
- Greater workability due to high pot life
- Impressive waterproof properties

AREAS OF APPLICATION

Wet areas including kitchen, bathrooms & Showers in domestic, institutional, commercial and industrial location

- Tile on tile application.
- For internal & external applications
- For fixing tiles on bonded waterproofing membranes such as ARMORCOAT 1K/2K
- For Floors, Walls, Podium decks, roofs including large format tiles.
- For laying non-moisture sensitive natural stone

- For Laying Ceramic, Porcelain, Fully vitrified tiles and brick tiles.
- For Swimming pools.
- For substrates such as cement screed surfaces, precast concrete elements, masonry, ground anhydrite and/or gypsum based floated screed aerated concrete, heated screeds, plasterboards, gypsum fibre boards, plaster and existing floors and walls.

SURFACE PREPARATION / APPLICATION

Surface Preparations:

The substrate must be fully cured and well prepared, it must be sound, clean, structurally stable, free from dirt, loose particles, efflorescence, chemicals and other contaminants, in order to ensure proper bonding.

Freshly installed cement screeds must not have residual moisture content above 5 %. Concrete, screeds, renders, and block work should be cured sufficiently to allow for most of the shrinkage movements. Tiles must be dry, and their surfaces free of contaminants that could impair adhesion. Do not soak tiles in water before lying.

Mixing

Pour A R M O R F I X -112 into a clean plastic or metal bucket containing clean water, pour adequate quantity of ARMORFIX-112, that can be used within the pot life of 4 hours. 20kg of ARMORFIX -112 requires approximately 6 litres of water. Stir with a mechanical stirrer until a plastic, lumps free consistency is achieved. Let the mixture rest for 2-3 minutes and restart briefly before application. No more water should be added after mixing.



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TILING SOLUTION

Application:

Spread ARMORFIX -112 tile adhesive mortar evenly over 1m² areas at a time using a notched trowel. Fix tiles immediately within the open time of 20- 40 minutes. Please be sure that all areas are covered with ARMORFIX -112 tile adhesive.

Position tiles in the adhesive bed and align with a slightly pushing motion, ensuring the tile back achieves full contact with the adhesive.

COVERAGE

For thin solid bed application (3mm thickness) 4-5kg of ARMORFIX -112 will cover approximately 1m².

PACKAGING

20kg bags. Store in a cold dry place. With proper storage material can be stored and used within 12 months.

CLEANING AND HEALTH

Remove the excess mortar on tools with copious amount of water; if already dry you can remove through mechanical means. Also prolonged contact with skin may occur as it is the case with all cementitious based material, therefore safety gloves and glasses should be used when working.

LIMITED WARRANTY

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either express or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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Test Property	Results	Test methods
28 days cure tensile adhesive strength	1.8 – 2.6mpa	BSEN 12004
14 days cure, 14 days age tensile adhesive strength	1.3 – 1.5mpa	
Slip resistance	≤0.5N/mm ²	
Transverse deformation	≥2.5mm but ≤5mm	
Working Principles		
Pot Life and working time	20 -40 minutes	
Initial set time	Approximately 5 hours	
Final set time grouting	4 Hours	

