

# ARMORFIX 109 FLEX

## HIGH PERFORMING FLEXIBLE TILE ADHESIVE

### PRODUCT DESCRIPTION

**ARMORFIX -109 Flex** is a high performing, standard setting and cement based tile adhesive with water resisting properties. It is suitable for thin and thick bed applications, internal and external applications of ceramic tiles, mosaic tiles and stone materials. ARMORFIX -109 Flex is polymer modified and has excellent anti slip properties.

### FEATURES

- High adhesive tensile strength
- suitable for laying tiles on walls and floors for internal and external applications.
- Easy to mix and apply
- Non-sag and anti- slip properties with high initial adhesiveness
- Greater workability due to high pot life
- For internal and external applications
- Suitable for wet areas like bathrooms and swimming pools as it has waterproofing properties

### USES

For the installation of floor and wall porcelain tiles, and for fixing of ceramic tiles, mosaic tiles and stone materials. Note that ARMORLATEX is required when ARMORFIX-109 Flex is used on wood, plasterboard and gypsum plaster

### SURFACE PREPARATION

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. Standard practice requires at least seven weeks before tiling on concrete and two weeks before tiling on screed.

### APPLICATION INSTRUCTION

Pour ARMORFIX-109 Flex into a clean plastic or metal bucket containing clean water, pour adequate quantity of ARMORFIX-109 Flex that can be used within the pot life of 4 hours. 20kg of ARMORFIX -109 Flex requires approximately 5 litres of water. Stir with a mixing device or by hand. Let the mixture rest for 5 minutes and restart briefly before application. No further water should be added after mixing.

### APPLICATION AND INSTALLATION

Spread ARMORFIX -109 Flex tile adhesive mortar evenly over 1m<sup>2</sup> area 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 -109 Flex.

### GROUTING

Grouting should be done 24 hours after tiling, for SWIMMING pool leave at least 3 days before grouting and at least one week before filling.



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TILING SOLUTION

### COVERAGE

For thin solid bed application (3mm thickness) 4-5kg of ARMORFIX -109 Flex will cover approximately 1m<sup>2</sup>.

Large tiles may need to have the adhesive buttered to the back as well. Ensure that tiles are well bedded into the adhesive. See further information in the technical section below

### PACKAGING

Available in 20kg bags.

### TECHNICAL INFORMATION

**STANDARD: EN 12004 for C1TE**

Bed thickness	3 – 6 mm (may be exceeded in small areas only) Coverage (approx.). 9 kg/m <sup>2</sup> (solid bed, 6 mm thick)
Notched trowel	-2.5mm for thin bed 5mm for thick bed
Open time	20 -40 minutes
Correction time	2 hours
Set time	18-24hours
Temperature resistance	-10 to 100°C and frost resistant when set
Water addition	5 liters per 20kg
Slip resistance	0.5N/mm <sup>2</sup>

Note: setting times are quoted at 20°C - 30°C and are temperature and humidity dependent.

### 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.

### SHELF LIFE

12 months. Store in a dry place.

### 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 expressed 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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