

ARMORFIX 109 Flex

High Performing Flexible Tile adhesive for low porosity tiles

Product Description:

ARMORFIX -109 Flex is a high performing, standard setting, cement based tile adhesive. It is suitable for thin and thick bed applications, internal and external applications. ARMORFIX -109 Flex is polymer modified and has excellent anti slip properties.

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, Pre-cast concrete facings, terrazzo and brick slips.

Advantages:

- High adhesive tensile strength
- Polymer modified and therefore provides strong bond for tiles with low porosity
- Easy to mix and apply
- Non-sag and anti-slip properties with high initial adhesiveness
- Greater workability due to high pot life
- For areas requiring flexibility ARMORFIX 109 Flex can be used with ARMOR Super latex to improve Properties

Uses:

For the installation of floor and wall porcelain, ceramic tiles, glass mosaic, stone marble, terrazzo, and brick slips and for fixing of tiles on plaster boards, gypsum plaster and wood. Note that ARMOR Prime 106 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 2 hours. 20kg of ARMORFIX -109 Flex requires approximately 4 litres of water. Stir with a mixing device or by hand. Let the mixture rest for 10-15 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 1m² area at a time using a notched trowel. Fix tiles immediately within the open time of 20 minutes. Please be sure that all areas are covered with ARMORFIX -109 Flex tile adhesive.

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.

Coverage:

For thin solid bed application (3mm thickness) 4-5kg of ARMORFIX -109 Flex will cover approximately 1m². 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 and buckets

Technical Data:

Exceeds the requirements of BS EN 12004 for C2T

Bed thickness	3 – 6 mm (may be exceeded in small areas only) Coverage (approx.)
Coverage (approx)	9 kg/m² (solid bed, 6 mm thick)
	4.5 kg/m² (solid bed, 3 mm thick)
	3.0 kg/m² (using a notched trowel with 6 x 6 mm notches)
3.0 kg/m² (using a notched trowel with 6 x 6 mm notches at 12 mm centres)	
Open time	20 minutes
Working time (pot life)	2 hours
Set time	18 – 24 hours
Temperature resistance	-10 to 100°C and frost resistant when set

Water addition	4 litres per 20 kg
Particle size	Up to approx. 0.5 mm

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:

Store in a cool dry place, with proper storage, material can be stored and used within 12 months.



ARMORSIL MANUFACTURING INCORPORATION

Office Address: 4636 Chestnut Street, Philadelphia, Pennsylvania 19139. Tel: +1 209 813 2466

www.armorsil.com, info@armorsil.com, sales@armorsil.com

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