

ARMORFIX 109

High Performing Heavy Duty Tile Adhesive

Product Description:

ARMORFIX -109 is a heavy duty, fast setting, waterproof cement based ceramic tile adhesive. It is suitable for thin and thick bed applications, internal and external applications. ARMORFIX -109 enables the same day fixing and grouting.

It is suitable for the fixing of 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. When used with Armor primer 106, it can also be used to fix tiles on gypsum plaster, plaster board, chipboard and wood. It is suitable for use in swimming pools as well.

Advantages:

- High adhesive tensile strength
- Conforms to European Standard EN 12004, C1
- Easy to mix and apply
- Non sag properties with high initial adhesiveness
- Greater workability due to high pot life
- Impressive waterproof properties

Uses:

For the installation of floor and wall ceramic tiles, glass mosaic, stone marble, terrazzo, and brick slips, plaster boards, gypsum plaster, plasterboard and wood.

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.

Application Instruction:

Pour ARMORFIX -109 into a clean plastic or metal bucket containing clean water, pour adequate quantity of ARMORFIX-109, that can be used within the pot life of 4 hours. 25kg of ARMORFIX -109 requires approximately 8 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 tile adhesive mortar evenly over 1m² areas at a time using a notched trowel.

Fix tiles immediately within the open time of 20 minutes. Please be sure that all area is covered with

ARMORFIX -109 tile adhesive.

Coverage:

For thin solid bed application (3mm thickness) 4-5kg of ARMORFIX -109 will cover approximately 1M2

Packaging:

Available in 20kg bags and buckets

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 cold dry place. With proper storage material can be stored and used within 12 months.

Technical Data:

Test Property	Typical Results	Test Method
Working Properties		BSEN 12004
Grouting	18 – 24 hours	
Open Time	40 minutes	
Pot Life	2 Hours	
Time to heavy traffic conform to EN 12004	24 Hours	
Tensile Adhesion Strength	Greater than 1mpA	
Transverse deformation	2.5mm	
Physical Properties		
Shear Strength	3.2 -3.6mpa	
28 days Heat Aging Tile Shear	4.5 – 5.5mpa	

Strength		
Compressive test after 28 days	20mpa	



ARMORSIL MANUFACTURING INCORPORATION

Sede legale: VIA Montello 48,INT #3 Pordenone, Italy. 33170. Tel: + 30256365-16

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

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