

# INSEE Mortar 43 TileFix Premium

## Cementitious Tile Adhesive for tile on tile application

### INSEE MORTAR 43 TileFix Premium

Premium adhesion Tile adhesive contains special chemical with enhance performance including very high adhesion and very good flexibility. For tile on tile application with excellent slip resistance property and proper adjust time without finished tiles peel off.



### Advantages

- Special chemical to enhance adhesion strength and flexibility to provide excellent bonding by not peeling off even on glossy surfaces
- Easy-to-use no sagging
- Suitable adjustment time
- Tile immersion in water not required before installation

### Applications

- Suitable for large size ceramic tiles, marble tiles, granite tiles, granito tiles, glass tiles. Applicable for non, low, medium and high porosity tiles including fiber cement board and plywood board
- It can be used for floor and wall both interior and exterior
- Tile on tile application especially for renovation works
- For swimming pool tiles

### Coverage Rates

1 bag of INSEE Mortar 43 TileFix Premium can cover an area of approximately 4 sq m depending on tile adhesive thickness and deflection of floors and tiles.

### Mixing ratio

20 kg. (1 bag) of INSEE Mortar 43 TileFix Premium per 5.2-5.4 litres of clean water. The mixed tile adhesive can be used within 4 hours. Keep away from sunlight & hot conditions.

### Packaging

20 kg/bag

### Curing

Allow 24-48 hours of curing time before tile grouting.

### Storage & Shelf Life

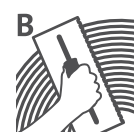
Store in dry place. Avoid moisture and direct sunlight. An unopened package has a shelf life of 6 months from manufacturing date.

### Surface Preparation

1. In the case of new works, the substrate must be strong, smooth, level, clean, dry, and free from dust, oil, cement fragments, and other foreign materials.
2. In the case of renovation works, There may be an existing surface which has been color painted this must be removed first, then remove any debris, stains loose particles and dirt from the substrate. If the substrate is very porous or has a high water absorption rate, it should be sprayed with clean water until the substrate is saturated but does not have any standing water left. For tile on tile application, it is recommended to check the adhesion of the existing tiles. If the adhesion is not good then extract or remove the old tiles then rebate by mortar or other material such as good bonding.

### Instructions

1. Use the flat side of a square notch trowel to apply tile adhesive onto the prepared substrate. Try to apply no more than 1 sq m each time. Then use the notched side of the trowel to comb the surface.
2. Remove dust and debris from tiles. Do not immerse tiles in water.
3. Spread tile adhesive in a thin layer to the back of the tiles to reduce air pockets underneath, fix the deflection, and ensure an appropriate bond between tile and substrate.
4. Place tiles onto tile adhesive bed and align edges. Place a rubber hammer or trowel handle end to release air under the tiles to ensure appropriate bond and avoid air pockets including level alignment.
5. The mixed tile adhesive should be used within pot life. Do not add additional water or tile adhesive powder to adjust the workability or extend pot life as it would result in quality loss.



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## Technical Properties

CONDITION/DESCRIPTION	SPECIFICATION	TEST RESULTS
Slip Resistance / Sag	≤ 0.5 mm	PASSED
Tensile Adhesion Strength at 20 minutes	≥ 0.5 MPa	PASSED
Tensile Adhesion Strength		
Standard Condition at 28 days	≥ 1.0 MPa	PASSED
Standard Condition at 7 days,	≥ 1.0 MPa	PASSED
Water Immersed Condition at 21 days		
Standard Condition at 14 days,	≥ 1.0 MPa	PASSED
Heat Aging Condition at 14 days		
Shear Adhesion Strength		
<i>Porcelain Mosaic Tile Shear Strength</i>		
Standard Condition at 7 days	> 1.38 MPa, > 200 psi	PASSED
Standard Condition at 7 days,	> 1.03 MPa,	PASSED
Water Immersion at 7 days	> 150 psi	
Standard Condition at 28 days	> 1.38 MPa, > 200 psi	PASSED

## Cautions

- Store in dust-free cool dry place. Do not apply the product on hot surface or the area exposed to direct sunlight.
- This product is non-toxic and non-flammable. However, it has alkaline properties. Wear safety gloves & goggles when applying. In case of skin contact, rinse with clean water. In case of eye contact, wash out with plenty of clean water and seek medical attention.
- Use the product in open and ventilated areas.
- Follow instructions precisely for effective result.

Technical Information	
Slake time	0-3 Minute
Pot Life (In shade)	4 Hours
Open Time within	20 Minutes
Adjust Time within	20 Minutes
Tile Adhesive Thickness	2-10 Millimeters
Curing time before grouting	24 -48 Hours

Remarks: Figures in the table may differ depending on ambient temperature and jobsite condition during applying.