

# INSEE Mortar 47 TileFix Swimming Pool

High quality cementitious tile adhesive with TIS for swimming pools and spa

## INSEE Mortar 47 TileFix Swimming Pool

is a high quality cementitious tile adhesive for swimming pools, ponds, spa, sauna, and the areas submerged in water. The product's excellent adhesion helps prevent pool tiles from falling off. It is applicable for wall and floor tiling, both indoor and outdoor.

### Advantages

- Excellent adhesion, suitable for areas submerged in water and water pressure endurance i.e. swimming pools
- Suitable adjusting time
- Easily combined with cement-based waterproof  
Applicable for various types of pool tile
- Withstand water pressure
- TIS:2703-2559, ISO 13007-1, ISO 13007-2, ANSI A118.1, ANSI A118.4

### Applications

For tiling swimming pools, ponds, spa, and sauna, both indoor and outdoor areas.

### Coverage Rates

1 bag of INSEE Mortar 47 TileFix Swimming Pool can cover the area of approximately 4-5 sq m depending on tile adhesive thickness and deflection of floors and tiles

### Mixing Ratio

20 kg (1 bag) of INSEE Mortar 47 TileFix Swimming Pool per 5.1 -5.3 liters of clean water or 2.75 parts of INSEE Mortar 47 TileFix Swimming Pool per 1 part of clean water (Once mixed with water, the product should be used within 4 hours. Keep away from sunlight and heat)

### Packaging

20 kg/bag

### Curing

Allow 24 hours of curing time before grouting.

### Storage

An unopened package has a shelf life of 9 months from manufacturing date. Store in ventilated and dry place and avoid moisture.



### Surface Preparation

1. Waterproof system preparation to prevent leakage
  - 1.1 If applying waterproof system after floor or wall adjustment, the tiling should commence after the waterproof system is completely cured according to the manufacturer's instruction.
  - 1.2 If applying waterproof system before floor or wall adjustment, floor or wall should be suitably leveled, free of dust, grease, paint, cement rubbles, and any foreign objects.
2. Sprinkle water on the surface, make sure there is no waterlogging.
3. Any paints on walls must be removed by a paint scraper
4. Newly placed surface must be dried for at least 7-14 days, and new concrete must be built for at least 28 days.

### Instructions

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

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## Technical Properties

CONDITION/DESCRIPTION	TIS.2703-2559 ISO13007 C2 ANSI A118.4	SPECIFICATION
Open Time at 20 min	≥0.5 MPa,	PASSED
Slip Resistance / Sag	≤0.5 mm	PASSED
CONDITION/DESCRIPTION	TIS.2703-2559 ISO13007 C2	SPECIFICATION
<b>Tensile Adhesion Strength</b>		
Standard Condition at 28 days	≥ 1.0 MPa	PASSED
Standard Condition at 7 days, Water Immersed Condition at 21 days	≥ 1.0 MPa	PASSED
Standard Condition at 14 days, Heat Aging Condition at 14 days	≥ 1.0 MPa	PASSED
CONDITION/DESCRIPTION	TIS.2703-2559 ANSI A118.4	SPECIFICATION
<b>Shear Adhesion Strength</b>		
<i>High Absorbent Glazed Wall Tiles</i>		
Standard Condition at 7 days	> 2.07 MPa, > 300 psi	PASSED
Standard Condition at 7 days, Water Immersed at 7 days	> 1.38 MPa, > 200 psi	PASSED
<i>Low Absorbent Porcelain and Mosaic Tiles</i>		
Standard Condition at 1 day	> 0.50 MPa, > 75 psi	PASSED
Standard Condition at 7 days	> 1.38 MPa, > 200 psi	PASSED
Standard Condition at 7 days, Water Immersion at 7 days	> 1.03 MPa, > 150 psi	PASSED
Standard Condition at 28 days	> 1.38 MPa, > 200 psi	PASSED

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Use Information	
Slake time	0-3 min
Pot Life (In shade)	4 hours
Open Time within	20 min
Adjust Time within	15 min
Tile Adhesive Thickness	2-10 mm
Curing time before grouting	24 hours

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

## Cautions

- Store in dry shade free of moisture and drizzle. Do not apply the product on 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.
- Follow instructions precisely for effective result.