

# Ozone Tile Flex

**TWO COMPONENTS  
CEMENTITIOUS FLEXIBLE TILE  
ADHESIVE**

## PRODUCT

Ozone Tile Flex is a two components polymer modified flexible ready-mix tile adhesive. Its flexibility makes it suitable for tiling directly to timber and concrete substrate subject to thermal/shrinkage movement. It is specially formulated for interior and exterior wall and floor applications. Ozone Tile Flex is water resistant and has an outstanding bonding effect.

## SCOPE OF USE

Ozone Tile Flex is highly recommended for shopping malls, hotels and hospital building floors, because of waterproofing properties it is ideal for wash room, kitchen and laundry areas. Can be used to lay tiles on to concrete, cement render, plasterboard, fibrous cement sheeting, and particular waterproofing membranes. For metal substrates, & timber floors to refer to technical personnel for recommendation.

## ADVANTAGES

Permanently flexible, allowing it to be used over substrates that are subject to minor vibration and thermal movement. Highly water resistant making for ideal for bonding on submerged substrate such as ponds, tanks and swimming pools. Its high bonding performance and deformability makes it an extremely versatile product, enabling the bonding of reduced porosity natural stone or tiles to new or old substrates.

## CHARACTERISTICS

Appearance	Powder
Composition	Special cements, siliceous sand and additives
Color	Dark Grey
Open time	60 min. at 20°C
Pot Life	60 min at 20°C
Setting Time (min.)	Initial set: 90
Shelf Life	1 year
Mixing Ratio	5 lit. per 22.5 kg
Coverage	3 to 7 kg/m <sup>2</sup>
Tensile Adhesion at 48 hours	0.95 MPa
Service Temperature	-20°C to +70°C

### Test for EN 12004:2007

<b>Open Time by Tensile</b>	5 minutes	1.1
Adhesion acc. EN 1346:2007 (N/mm <sup>2</sup> )	10 minutes	0.7
Tensile Adhesion	Con A	2.6
Streghth acc. EN 1348:2007 (N/mm <sup>2</sup> )	Con B	0.9
	Con C	2.5

- Con A - 28 days standards conditions
- Con B - 7 days standard condition + 21 days water immersion
- Con C - 14 days standard condition + 14 days at 70°C
- Standard Condition - (50 ± 5)% Relative Humidity & 23 (± 2)°C

### Test for EN 12002

Deformation from horizontal plane (mm) 5.3



### PACKAGING

22.5kg Powder , 5 lit.  
2x22.5kg, 10 lit.

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### Test for ANSI A118.4

Shear strength (N/mm <sup>2</sup> ) F-5.3.2 & F-5.3.3	7 days standard conditions	2.4
	28 days standard conditions	2.1

### APPLICABLE STANDARDS

EN 12004:2007, EN 12002, ANSI A118.4

### INSTRUCTIONS FOR USE

#### SURFACE PREPARATION

Substrate must be structurally sound and free from loose tiles and debris, existing setting material or any foreign matters.

#### PRODUCT PREPARATION

Mix the two components of Ozone Tile Flex by pouring the powder in the liquid progressively while stirring the liquid.

An electric mixer with low rotation speed (< 300 rpm) can be used.

Mix until a uniform lump free paste is obtained.

#### PRODUCT APPLICATION

Apply Ozone Tile Flex evenly on the substrate. Use a notched trowel to have the required thickness. Apply the tiles on the substrate and press them firmly, while making sure that the paste does not slip from the tile sides. Ozone Tile Flex can also be applied on the back of tiles to ensure full adhesion on the entire surface

#### CLEANING

Clean the tools with water after use. Cured materials can only be removed mechanically.

#### Health & safety

Ozone Tile Flex powder is irritating to the eyes, respiratory system and skin. Avoid inhalation of dust and wear suitable respiratory protective equipment. Ozone Tile Flex liquid is not classified as dangerous.

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