ideal
Dry Mixes



STRONG BOND

Lasting Performance

www.idealdrymixes.com

Ready To Mix
Tilemate Plus

TECHNICAL DATA SHEET – TILEMATE PLUS T2

PRODUCT SUMMARY	STANDARD COMPLIANCE/ SPECIFICATION
Ideal Drymixes TILEMATE PLUS is a specialized polymer-modified, cement-based grey tile adhesive that provides excellent adhesion, high strength and water resistance. It is specifically engineered for fixing large format ceramic and vitrified tiles, glass mosaic tiles and various natural/engineered stones on both floors and walls, for interior and exterior applications.	TILEMATE PLUS T2 complies to IS 15477:2019 - Type 2 'T' - "Specification for Adhesives for use with Ceramic Tiles and Mosaics."

TILEMATE KEY FEATURES	AREAS OF USE
➤ HIGH STRENGTH: Superior bonding strength and adhesion for long lasting tile installation performance. ➤ WATER RESISTANT: Excellent resistance to water and shock - ideal for underwater and commercial floor applications. ➤ STRONG BOND: Good adhesive strength and bonds well with various cementitious substrates ➤ EASY TO USE: Add water and use directly. ➤ AGE AND ACID RESISTANT: Good resistance to acids and aging ensures long term durability in challenging environments. ➤ HIGH DEFORMABILITY: Accommodates minor substrate movements and temperature variations.	➤ All types of ceramic tiles, black and vitrified tiles, terracotta, some larger tiles* ➤ Cementitious screeds, plasters, concrete surfaces, bricks and other surfaces ➤ Flooring, internal floors & some walls*, dry & wet areas indoors, and residential & commercial applications

*Consult with IDEAL experts before such applications.

PRODUCT SPECIFICATIONS:

- Colour: Grey
- Form: Powder
- Mixing Ratio: 5-6 L water / 20 kg bag
- Bulk Density: 1.4 – 1.5 g/cc
- Mixing Density: 1.65 – 1.8 g/cc
- Setting time: 24 Hours
- Adhesive Thickness: 3 – 12 mm
- Packaging: 20 kg and 40 kg bags
- Coverage: 40 sqft – 55 sqft per 20 kg bag at 3 mm thickness*

(*Actual coverage depends on substrate condition, trowel notch size, mortar thickness, tile size and applicator skill.)

TECHNICAL INFORMATION-APPLICATION PROPERTIES

TESTING PROPERTIES	REQUIREMENTS	TILEMATE PLUS RESULTS
Open Time (IS 15477: 2019)	Approx. 20 minutes	20 minutes
Adjustability (IS 15477: 2019)	Approx. 20 minutes	25 minutes
Pot Life	Approx. 120 minutes	120 minutes
Tensile adhesion strength:		
a. Dry condition	>= 1.0 N/mm2	> 1.1 N/mm2
b. Wet condition	>= 1.0 N/mm2	> 1.0 N/mm2
Sheer adhesion:		
a. Dry condition	>= 1 N/mm2	>= 1.2 N/mm2
b. Wet condition	>= 1 N/mm2	>= 1 N/mm2
c. Heat aging	>= 1 N/mm2	>= 1 N/mm2
Slip Resistance (T)	<= 0.5 mm	<= 0.5 mm
Application Temperature (Substrates and materials)	5oC to 35oC	5oC to 35oC

SHELF LIFE:

1 year from month and year of manufacturing, for unopened bags, stored in dry condition.

SAFETY AND PRECAUTIONS:

There may be irritation caused in eyes and skin in case of contact for a very long time. Please seek medical help if the problem persists for a long time. The product is recommended to be applied with gloves.

DISCLAIMER:

The user should determine the usability of the product for its intended use. Our products are manufactured under the IDEAL quality standards and subjected to strict quality control procedures. Since the company has no control over site conditions and installation procedures, the company will not be responsible under any circumstances for any loss, damage, or liability from incorrect usage



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