ideal
Dry Mixes



STRONG BOND

Lasting Performance

www.idealdrymixes.com

Ready To Mix
Tilemate-Ultimate

TECHNICAL DATA SHEET – TILEMATE ULTIMATE T3

PRODUCT SUMMARY	STANDARD COMPLIANCE/ SPECIFICATION
Ideal Drymixes TILEMATE ULTIMATE is a polymer modified, thin-set tile adhesive for fixing for all types of tiles like vitrified, glass mosaic, mosaics and natural stones, across all surfaces for both vertical and horizontal application, in dry and wet areas for indoor as well as outdoor application. It can be used to fix regular and large sized tiles in commercial area as it accommodates shocks due to heavy traffic with better adhesion and minimal slippage.	TILEMATE ULTIMATE complies to IS 15477:2019 - Type 3 'T' 'S1' - "Specification for Adhesives for use with Ceramic Tiles and Mosaics."

TILEMATE KEY FEATURES	AREAS OF USE
➤ HIGHLY POLYMER MODIFIED : The high grade polymers provide better structural adhesion, thus allowing usage on different substrates and for fixing many types of tiles and stones. ➤ WATER RESISTANT: Excellent resistance to water and shock - making it suitable for swimming pools, bathrooms, kitchen, saunas, and similar public areas. ➤ SAG RESISTANCE: Avoids slippage there by allowing problem-free application on straight and vertical walls. ➤ STRONG BOND: Good adhesive strength and bonds well with various cementitious substrates ➤ NO HACKING REQUIRED: No substrate hacking required to achieve the high grade bonding. ➤ EASY TO USE: Add water and use directly. Easy workability. ➤ HEAT AGING : ideal for high temperature locations like outdoor use, Jacuzzi, sauna, etc. ➤ HIGH FLEXIBILITY : allows to sustain minor vibration in substrate.	➤ All kinds of ceramic tiles, bricks, vitrified tiles, natural stones, marbles, large sized tiles, precast terrazzo and low-thickness slabs in internal and external areas*. ➤ All substrates like cement-based beds, gypsum, waterproofing products, concrete surfaces and bricks, drywall like cement /bison/ gypsum boards* and other surfaces to fix tiles. ➤ Horizontal and vertical surfaces, wet as well as dry surfaces, outdoor and indoor spaces, in household and commercial projects for gluing tiles.

(Consult with IDEAL experts before such applications.)

PRODUCT SPECIFICATIONS

- Colour: Grey.a
- Form: Powder.
- Mixing Ratio: 6-7 L water / 20 kg bagx
- Bulk Density: 1.3 – 1.5 g/cc.
- Mixing Density: 1.8 – 1.9 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 ULTIMATE RESULTS
Open Time (IS 15477: 2019)	30 minutes	35 minutes
Adjustability (IS 15477: 2019)	Approx. 25 minutes	25 minutes
Pot Life	Approx. 180 minutes	200 minutes
Tensile adhesion strength:		
a. Dry condition	>= 1.0 N/mm2	1.25 N/ mm2
b. Wet condition	>= 1.0 N/mm2	1.1 N/ mm2
Sheer adhesion:		
a. Dry condition	>= 1 N/mm2	1.3 N/ mm2
b. Wet condition	>= 1 N/mm2	1.1 N/ mm2
c. Heat aging	>= 1 N/mm2	1.3 N/ mm2
Slip Resistance (T)	<= 0.5 mm	0.4 mm
Transverse Deformation (S1)	≥ 2.5 mm, <5 mm	2.5 mm
Application Temperature (Substrates and materials)	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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