K2 ULTRAFIX

Heavy Duty Stone & Tile Adhesive

CONFORMS TO IS 15477:2019 TYPE 4T

C2TES1 AS PER ISO 13007-1

Description:

K2 ULTRAFIX is Highly Polymer Modified, high strength, and cement based tile adhesive specially designed for fixing heavy duty tiles and natural stone on internal and external surfaces. It's applicable for Tile on application because it provides excellent bonding. It is a flexible adhesive with excellent waterproofing properties.

Area of Application:

K2 ULTRAFIX is used for fixing all types of tiles and natural stone for internal and external wall and floor substrate (Provided they are not sensitive to moisture).

Benefits:

- Ready to use, needs only mixing with water.
- Easy application & better workability.
- Excellent adhesion, non-shrinkage.
- Deformable cementitious adhesive.
- Sufficiently flexible to accommodate thermal & physical movements.
- High strength.
- Needs no curing & soaking of tiles.
- Floors can be used after 24 hours.

Technical Properties:

Properties	**Results**	
Appearance	**Grey color powder**	**White color powder**
Bed Thickness	6-12 mm	6-12 mm
Mixing Ratio	4.8 - 5.6 Liter Water/20 kg bag	6.4 to 7.2 Liter Water/20 kg bag
Open Time	Min. 30 minutes	Min. 30 minutes
Adjustment Time	Min. 20 minutes	Min. 20 minutes
Pot life	60 minutes	60 minutes
Ready for grouting on wall	After 4-8 hours	After 4-8 hours
Ready for grouting on floors	After 24 hours	After 24 hours
Set to light foot traffic	24 hours	24 hours
Ready to use	14 days	14 days
Tensile Adhesion - Dry Condition	1.85 N/mm²	1.85 N/mm²
Tensile Adhesion - Wet Condition	1.79 N/mm²	1.79 N/mm²

CLASSIFICATION IN COMPLIANCE WITH ISO 13007 -1& CONFORMING TO IS 15477:2019

- K2 ULTRAFIX is classified as **C2TES1 -** Improved cementitious adhesive (C2), slip resistant (T), extended open time (E) with deformable (S1), as per **ISO 13007-1**.
- It is conforms to **Type – 4** as per **IS 15477:2019** with **Slip Resistance (T)** with **Deformability (S1).**

Application Instruction:

SURFACE PREPARATION

- Surface must be sound, clean and free from dirt, oil or grease before K2 ULTRAFIX is applied.
- K2 ULTRAFIX can be applied directly on concrete, cement screed, and cement or lime mortar.

- Care must be taken to new construction prior to commencing tiling. Tiles should not be placed on concrete or block work until all shrinkage movement has taken place.

MIXING PROCESS

K2 ULTRAFIX should be mixed with clean water as per above standard ration. A slow speed Mixing paddle is ideal for mixing. Add powder to water and mix until uniform, lump free consistency is achieved. Add requisite quantity of water to achieve the required consistency.

APPLICATION PROCESS

K2ULTRAFIX should be spread on the substrate to uniform thickness of 6-12 mm, and then Combed horizontally with serrated trowel. Check for undulations and even the surface with K2 ULTRAFIX and place tiles firmly into adhesive bed, ensuring good contact with a twisting motion.

Coverage:

- 23-25 sqft/ 20 kg bags at 6mm thickness.
- Coverage varies depending on the surface and application thickness.

Packing:

K2 ULTRAFIX is available in 20 kg bag Pack.

Shelf Life and Storage:

K2ULTRAFIX has a Shelf life of 12 Months from the date of manufacturing. Store the material in cool and dry place. Keep away from direct sunlight and heat.

Technical Support:

The company provides a technical service supported by the team of specialist applicators in the industry.

Important Note:

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IS 15477

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