

DESCRIPTION

TILOBOND is a cementitious (C1 T) adhesive to be mixed with water to install tile and natural stone using the thin set method of installation. TILOBOND has a strong bonding strength with most types of tiles in a thin set application according to the EN and ANSI standards.

USES:

Designed for interior or exterior installation of the following for walls and floors

- Ceramic tile
- Porcelain tile
- Porous Natural stone

CHARACTERISTICS

- Dual purpose, for walls and floors
- Strong bond and durable
- Suitable substrates:
 - » Concrete & cementitious based screeds, sufficiently dry and cured
 - » Stone & brick walls
 - » Cementitious plaster and renders, sufficiently dry and cured.
- TILOBOND not recommended on the following:
 - » Gypsum and wood board
 - » Expanded cement (sulfoaluminate cement base)
 - » Rubber, PVC or metallic surface
 - » Surfaces subject to strong movement or heat

APPLICABLE STANDARDS

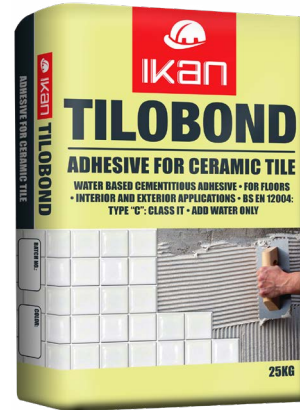
- ANSI A118.1 (TILOBOND mixed with water)

PERFORMANCE PROPERTIES

TILOBOND was tested according to EN 12004 & ANSI A118.1 in standard conditions:

TEST	TEST METHOD	SPECIFICATION	RESULTS
Determination of open time by tensile adhesion strength.	EN 12004 (8.1) & ANSI A118.1	75psi (0.5 N/mm ²) at 20 minutes or more.	
Determination of slip or sag on vertical surfaces	EN 12004 (8.2) & ANSI A118.1	≤ 0.5 mm	Complies with standards values
Determination of Tensile adhesion strength for cementitious adhesives	EN 12004 (8.3)	≥ 75psi (0.5 N/mm ²)	
Shear strength to ceramic tile (glazed wall tile)	ANSI A118.1	≥ 150 psi (1.03 N/mm ²)	

Note: the above performance properties are based on controlled laboratory conditions. However, there may be some variation depending on the ambient weather and site conditions.



TYPICAL PROPERTIES

Appearance	Powder
Color	Grey
Composition	Cement, sand and polymer additives
Water mixing ratio	5 Liters per 25kg bag
IKAN Latex solution	5 Liters per 25kg bag
Yield	Approx. 16L of mixed adhesive
pH of the mixture	≈ 12 ± 0.5
Pot life	1-2 hours*
Open time	20 minutes*
Time to floor light foot traffic	After 24 hours
Floor grouting	After 24 hours
Wall grouting	After 6 hours
Slip resistance	Excellent

*At standard conditions (Temp: 21-25°C & relative humidity: 50±5 %)



METHOD OF APPLICATION

SURFACE PREPARATION

Surfaces must be sound, clean, dry, free from oil, grease, dust and other loose material, as well as it should not be subject to movement.

New cementitious surfaces should not be tiled for at least 28 days to allow for shrinkage to occur.

MIXING

TILOBOND bag should be added slowly to approx. 5 liters of water or IKAN Latex solution, stirring continuously to achieve a creamy lump free consistency. The adhesive is now ready for immediate use. It should be used within the pot life of about 2 hours. No water should be added after the original mixing. Any of the mixture not used within its pot life should be disposed.

APPLICATION

For all tile application, the mixed adhesive (TILOBOND) should be applied directly to the surface at a thickness of 3 – 6mm and the surface combed with a suitable notched trowel. Spread only as much adhesive as can be tiled before the product skins over. Open time may vary depending on jobsite conditions.

Place tiles into the adhesive and beat in using a beating block and rubber mallet to adjust level.

Before the adhesive sets, clean excessive adhesive from between joints using a damp cloth.

Tools and equipment should be cleaned with water before the adhesive sets on them.

Tiles should be left undisturbed for around 24 hours at 20°C, or longer if the temperature is lower.

Apply grout after the adhesive has set

COVERAGE

Apply TILOBOND evenly on the substrate by using suitable notched trowel depending on the tile size. Consumption will be determined according to the used notched trowel.

trowel n. 4	2 – 2.5 kg/m ²
trowel n. 6	4 – 4.5 kg/m ²
trowel n. 8	5 – 5.5 kg/m ²
trowel n. 10	6.5 – 7 kg/m ²



PACKAGING / COLORS AVAILABLE

25 kg bag / Grey



STORAGE & SHELF LIFE

12 months in a dry place in original sealed packaging.



SAFETY PRECAUTIONS

This product contains cement and contact with skin may cause irritation. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water. Do not take internally. Avoid breathing dust. Wear a respirator in dusty areas.

Keep out of reach of children



TECHNICAL SERVICE

Application of the TILOBOND should be done according to the procedure mentioned in this technical data sheet. IKAN INC will not be held responsible for any claim arising out of non-performance of the product due to incorrect application procedure or usage of product for non-recommended purpose. Please contact IKAN INC. technical team for more details on application of TILOBOND for any purpose other than mentioned.



DISCLAIMER

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labor involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors.