



TILECARE BN-50

Polymer modified Highbond tile adhesive



DESCRIPTION

TILECARE BN-50 Adhesive is an all-purpose cementitious adhesive. It is an extremely versatile, and multi-functional adhesive with ultimate strength for fixing all format of tiles & natural stones on all types of floor and vertical surfaces. It can sustain extreme weather condition which ensures that debonding and cracking are never a problem.

FEATURS & BENEFITS

- › Ready-to-use and only onsite mixing with water is required
- › It has excellent adhesion
- › Self-curing
- › Better Workability
- › Slip resistant properties
- › Flexible adhesive
- › Low VOC
- › Highly Polymer modified

AREA OF APPLICATION

- › Large format and glass mosaic tiles & stones
- › Internal & external application/horizontal& vertical surfaces as well.
- › Tiles with porosity \leq 3%.
- › Plaster board and fibre-cement sheets.
- › Tile on tile application

SUITABLE SUBSTRATE

- › Cement mortar beds
- › Cement based plaster/ Concrete / Screed / Terrazzo
- › Brick/ Block/ Concrete Masonry
- › Cement based self leveling screed
- › Waterproofing products
- › Fibre cement slabs
- › Heating system
- › Thermal Insulation paneling systems

COMPLIANCE STANDERD

- › BYZON Tile Adhesive complies to **Type 4 'T'** as per "IS 15477 : 2019 - adhesives for use with ceramic, vitrified tile- specification."

Also, BYZON Tile Adhesive conforms to class **C2TES2** as per EN 12004:2017/ ISO 13007 - a cementitious (C) Normal Adhesive (1) slip resistant (T) Extended Open Time (E) tile adhesive.

TECHNICAL INFORMATION

PROPERTIES	RESULT
Available color	Grey/ White
Mixing Ratio (Powder :Water)	Approx 1:0.20 by weight
Open Time	Approx 20min at 20°C
Adjustibility	Approx 20min at 20°C
Tensile strength	≥1.5 N/mm ²
Shear strength	≥1.5 N/mm ²
Pot life	Approx 120 min
Adhesive thickness	3-12 mm
Mix density	1.8-1.9 kg/ ltr

METHOD OF APPLICATION

- The Surface should be sound and thoroughly cleaned. The old surface should be free from wax, grease, polish etc.
- Add 4 to 4.5 ltr water into 20 kg TILECARE adhesive powder and mix it to a smooth workable paste, addition of water shall be adjusted to attain desired consistency, always add powder to water.
- Always mix the required quantity, which can be consumed within 60 minutes of pot life..
- Spread the adhesive to a required bed thickness and comb with a notched trowel, strictly apply the adhesive paste which can be tiled with in 10 to 15 min.
- Then start placing the tiles on the surface. tap the tiles properly to ensure complete coverage on the backside of tiles.
- Allow the tile to set for 24 hours and start filing joints the next day.

PRECAUTIONS & LIMITATIONS

- › Always add powder to water.
- › Do not add excess water than recommended.
- › Never add sand & cement at site.
- › Do not use the adhesive to correct surface irregularities greater than 15 mm.
- › Protect from direct rainfall/ foot traffic for at least 24 hours.

COVERAGE

- › Approx. 4 - 5 m²/ 20 kg Bag at 3 mm thickness
(using 6 mm x 6 mm notch).
- › Approx. 2 - 2.5 m²/ 20 kg Bag at 6 mm thickness
(using 12 mm x 12 mm notch).

*Coverage will vary depending on trowel notch size, type, size of tile and substrate smoothness and evenness.

SHELF LIFE

- › 18 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature.

PACK SIZE

- › 20 kg & 40 kg bag

SAFETY PRECAUTIONS

- › Keep out of reach of children.
- › Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water.
- › In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice.