



# TILECARE BN-20

Polymer based tile adhesive



## **DESCRIPTION**

TILECARE BN-20 Adhesive is a polymer integrated cement composition-based adhesive for fixing ceramic tiles & vitrified tiles (normal size) on floors. It comes in a premixed, ready to use form that can be used with a number of substrates. It is water resistant and doesn't allow cracking of tiles.

## **FEATURS & BENEFITS**

- › Ready-to-use and only onsite mixing with water is required
- › It has excellent adhesion
- › Self-curing
- › Better Workability
- › Slip resistant properties

## **AREA OF APPLICATION**

- › Medium format ceramic & vitrified tiles on internal floor
- › Ceramic tiles and tiles with a porosity of >3% on internal floor
- › Residential and commercial application
- › Dry & wet areas

## **SUITABLE SUBSTRATE**

- › Cement mortar beds
- › Cement based plaster
- › Concrete surfaces
- › Cement based screed
- › Cement terrazzo
- › Brick masonry
- › AAC block masonry
- › Concrete block masonry

## **COMPLIANCE STANDERD**

- › BYZON Tile Adhesive complies to **Type 1 'T'** as per "IS 15477 : 2019 - adhesives for use with ceramic, vitrified tile- specification."

Also, BYZON Tile Adhesive conforms to class **C1TE** as per EN 12004:2017/ ISO 13007 - a cementitious (C) Normal Adhesive (1) slip resistant (T) Extended Open Time (E) tile adhesive.

## **TECHNICAL INFORMATION**

<b>PROPERTIES</b>	<b>RESULT</b>
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	≥0.5 N/mm <sup>2</sup>
Shear strength	≥1.0 N/mm <sup>2</sup>
Pot life	Approx 120 min
Adhesive thickness	3-10 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 m<sup>2</sup>/ 20 kg Bag at 3 mm thickness  
(using 6 mm x 6 mm notch).
- › Approx. 2 - 2.5 m<sup>2</sup>/ 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.