

BWCTFIX - 4254 (Water Resistant Tile Adhesive)

Description:

BWCTFIX - 4254 is a grey or white color powder adhesive composed of cement, graded sand, synthetic resins, and special additives formulated in a way to obtain excellent characteristics of workability and adhesion. It is water resistant and does not contain fiber, asbestos, or any other harmful components.

Uses:

BWCTFIX - 4254 is used for internal applications for most types of ceramic tiles both on the wall and floor including. areas like bathrooms and kitchens. It can be applied on all types of cement substrates in buildings.

Advantages:

- Interior or Exterior use.
- Economical and easy to use.
- High adhesive and bond strength.
- It is water cleanable and nonflammable.
- Long open time and slip resistance.

Preparation:

BWCTFIX- 4254 should be added to water at 5 - 7 Liters per 25Kg bag and mixed until it gets smooth and allowed to remain for 10 minutes before being remixed. The mixing should be done slowly to keep out the air bubble.

Apply BWCTFIX- 4254 to clean and dry surfaces at temperatures 40° F to 100° F. Cement surfaces must be scrapped. and dampened to help adhesion. Care should be taken to bond well the existing ceramic tile surfaces. Certain wood or plaster surfaces may need a mortar coating dried for 20 hours prior to applying **BWCTFIX- 4254**

Application:

- Mortar should be spread on surface to a uniform thickness of 3 - 4 mm and combed horizontally.
- Place tiles firmly on the adhesive bed ensuring good contact with a twisting motion.
- Apply **BWCTFIX - 4254** up to a working area of not more than 1 square meter at one time.
- It is also recommended that the tiles are "beat-in" to obtain good transfer of mortar to tile and for proper alignment.
- It is not advisable to adjust tiles in mortar after 10 - 15 minutes of setting.

Technical Data:

Color: Grey/ White

Density:

Dry 1.6 Kg. / Lt.

Wet 1.70 Kg./ Lt.

Water Resistance:

Excellent

Open Time:

Approx. 15 minutes

Workable Time:

45 Minutes

Standards: ANSI A118.4, ANSI A 118.11 C2TE SI (EN 12004 / ISO13007)

Test	Results
Compressive	19.5 MPa
Shear bond	1.8 N/mm ²

Test Result: Tensile**Strength Normal**

Condition Water

2.15 N/mm² 1.62N/mm²

Immersion Heat

1.60N/mm² 1.85N/mm²:

Resistance Freeze

1.185N/mm² EN 1346

thaw

Tensile Strength 20 min.

Slip Resistance

Excellent After

Wall Grouting

8 hours

Floor Grouting

After 24 hours

Ready To Use

After 15 Days

Coverage:

Approx. 3.5 to 4 Kg. **BWCTFIX - 4254** per m² using toothed spatula on smooth surface. Consumption will vary. according to type of tiles and support condition.

Composition:

Powder - consisting of Portland cement, graded sand, additives, and polymer chemicals.

Packing:

BWCTFIX - 4254 is available in 25 Kg. bags grey & 20 kgs. White

Storage:

Store in dry covered place in the original closed bags.

Shelf Life:

12 Months if stored recommended

Recommendations:

Do not use **BWCTFIX - 4254** on metal or non-absorbing surfaces.

Do not applied **BWCTFIX - 4254** in rainy weather, high winds, and sands storms. Do not applied surface that has temperature less than 5°C.

During summer season, working area should be covered to prevent the direct sun effects. Keep equipment.

- Cool and used cold water.
- The product should not be exposed to moving water during application.
- Porosity of tiles and substrates has significant effect on adhesive strength of tiles.

Precaution:

Should be cautious not to break the plastic mortar bond with the tile. A minimum cure will be obtained in 12 - 24 hours based on ambient temperature and grouting can be done after the mortar takes its final set. Normal grouting should be done 48 hours later.

Health & Safety Instruction:

Nonhazardous and if ingested seek medical advice.

Disclaimer:

All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.