



TILECARE EP-100

Stainfree Epoxy Grout



DESCRIPTION

BYZON TILECARE EP-100 Epoxy Tile Grout is a three-component color-fast, chemical resistant, hard wearing, impervious epoxy tile joint filler and is 100% stain-proof. It effectively fills the gaps between tiles to give a hard-wearing, dust- proof tile joint. It is well suited for residential and commercial installations where materials must resist physical abuse, shock, and chemical aggression.

FEATURS & BENEFITS

- › Stainfree
- › Colour - fast
- › Easy to install and clean
- › Chemical and temperature resistant
- › Non-cracking or powdering
- › Water cleanable when fresh
- › Available in range of attractive colors

AREA OF APPLICATION

- › Institutional kitchens
- › Cafeterias
- › Institutional facilities
- › Swimming pools
- › Rest rooms
- › Schools

METHOD OF APPLICATION

1. Surface Preparation

- › Ensure 24 hours time interval for grouting after tile fixing
- › Remove debris in joints and lightly sponge the tile surface to remove dust and dirt & then start using TILECARE EP-100 Epoxy Grout.
- › Ensure tile joints are dry, clean, free of dust & tile adhesive.
- › Acid cleaning of tiles is not recommended, wash the tile area properly with water in case acid cleaning is done on tiles then start tile grouting.

2. Mixing

- › Mix the contents of TILECARE EP-100 Epoxy Grout Part "A" (Resin) and Part "B" (Hardner) in a clean container as per recommended ratio.
- › Use trowel or a slow speed drill mixer to mix Part A & Part B, kindly ensure the mix is completely blended
- › Add Part "C" (Filler) Powder and mix thoroughly for 3-4 minutes to ensure homogenous consistency, free of lumps and uniform colour to achieve a stiff mix to work into the joints.
- › Mix only the required quantity which can be consumed within the pot life period of 30 mins.

4. Application

- Wear gloves during mixing & application.
- After mix is ready start filling tile joints. Mix should be used within pot life of 30 mins. Ensure that the grout is not in contact with water during application.
- Fill the joints with hard rubber squeeze/ grout floater, press the grout firmly into the joints ensuring there are no air voids.
- Remove excess material before initial cleaning with grout float. Do not leave excess grout on the face of tiles.

4. Cleaning

- Clean the excess grout from tile joints & tiles after 20 minutes of application. Cleaning should be done before the product hardens.
- Use a rough textured sponge dampened with water to remove the grout residue.
- Use the damp sponge in a circular motion and keep it relative to the tile surface to achieve the flush joint & taking care not to drag grout from the joints.
- Clean off any light residue of tile grout left on the tile surface using **BYOCLEAN** without disturbing the joint finish.
- Tools and containers should be cleaned using clean water when the grout is still fresh.
- Final Cleaning: within 24 hours do a second cleaning with normal soap detergent to remove any haze from the tile.

TECHNICAL INFORMATION

PROPERTIES	RESULT
Component Appearance	Base (Part A) - White Viscous liquid Hardener (Part B) - Yellow Viscous liquid Filler (Part C) - Colored powder
Mixing Ratio	200 (Base) + 100 (Hardener) + 700 (Filler)
Pot life @ 30°C	Min. 30 minutes
Joint Width	2 - 15 mm
Application Temperature	From +10°C to +35°C
Compressive strength	72N/mm ²
Bond strength	7N/mm ²

COMPLIANCE STANDERD

- HACCEP regulation no.852/2004

CHEMICAL RESISTANCE

1. PROLONGED CONTACT

- ▶ Aluminum Bromide, Aluminum Flouride, Baking Soda, Barium Hydroxide, Beer, Boric Acid, n-Butanol, Calcium Chloride, Carbonates, Carbonic Acid, Castor Oil, Chlorides, Chlorinated Paraffin, Citric Acid, Coconut Oil, Cotton Seed Oil, Diesel, Dilute Detergents, Ethanol, Ethylene Glycol, Fats, Ferric Chloride, Fish Oil, Gasoline, Groundnut Oil, Kerosene, Linseed Oil, lubricating Oils, Milk, Nitrates, Olive Oil, Palm Kernel Oil, Palm Oil, Paraffin Wax, Pine Oil, Potassium Hydroxide, Silicates, Sodium Carbonate, Sodium Chloride, Soybean Oil, Sugar, Sulphates, Sunflower Oil, Tannic Acid, Vegetable Oil, Water & White Sprit.

2. MAX. 24 HRS

- ▶ Acetic Acid (5%), Ammonium Bromide (5%), Household Ammonia, Hydrochloric Acid (dil), Lactic Acid (3%), Methanol, Phosphoric Acid (10%), Sodium Hydroxide.

3. SPLASH CONTACT

- ▶ Acetic Acid (10%), Acetone, Acetyl Bromide, Benzene, Carbon disulphide, Carbon Tetrachloride, Chloroform, Chromic Acid, Ethyl Alcohol, Formic Acid, Lime Juice, Nitric Acid (10%), Phenol, Sulphuric Acid (20%), Methylene Chloride, Methylene Formamide.

PRECAUTIONS & LIMITATIONS

- ▶ Do not apply on wet/damp tile joints. Always apply on completely dry tile joints.
- ▶ Do not over-mix the material. Over-mixing can reduce the pot life.
- ▶ Apply masking tapes along tile joints while working on unglazed floor tiles, porous tiles & natural stones, tiles with matt glaze or textured surfaces
- ▶ While cleaning, change water frequently. Change cleaning cloth/ sponge when they are impregnated with grout.
- ▶ Protect from direct rainfall/ foot traffic for at least 24 hours.
- ▶ Do not use acid to clean joints. Use **BYZON BYOCLEAN** clean for cleaning purpose.

SHELF LIFE

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

PACK SIZE

- ▶ 1, 5 ,20 Kg set (Bucket)

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. Limited to professional use only.