

NESCOAT® EPOFUGA

Epoxy-Based Tile Grout

DESCRIPTION

NESCOAT® EPOFUGA is a two-component, solvent-free epoxy resin-based tile grout filler consisting of Component A (epoxy resin) and Component B (hardener). It is resistant to chemicals and bacteria, and can be easily cleaned with water.

APPLICATION AREAS

- Used in food production facilities, industrial kitchens, and hospitals where hygienic conditions are a priority.
- Suitable for chemical plants and laboratories that require chemical resistance.
- Ideal for high-strength applications such as swimming pools, thermal spas, and continuously wet areas.

ADVANTAGES

- Offers long-lasting performance with high abrasion resistance.
- Easily cleaned even after heavy contamination.
- Maintains its initial appearance and performance even after repeated cleanings.
- Suitable for use in wet areas due to its low water absorption.
- Resistant to mold and mildew formation.
- Can be used both as a grout filler and a ceramic adhesive.

SURFACE PREPARATION

Joint gaps must be cleaned of dirt, dust, and adhesive residues that may prevent adhesion. If repairs are to be carried out on existing joints, the old grout must be carefully removed using a grout removal tool or a spatula. Take care not to damage the ceramic tiles during this process. After scraping, thoroughly clean all dust and debris from the joints using a brush or vacuum cleaner.

MORTAR PREPARATION

- **NESCOAT® EPOFUGA** is packaged in correct proportions for its two components.
- Component B (hardener) should be added to Component A (epoxy resin) and mixed with a low-speed mixer until a homogeneous consistency is achieved (approximately 3 minutes).
- Mixing should be performed using a low-speed drill (400-600 rpm) with a mixing paddle; it should never be done by hand or with a trowel.
- Component B is provided in the packaging of Component A.
- If only part of the product is to be used, the mixing ratios must be strictly followed.
- The prepared mixture should be used within 1 hour.
- In hot weather, the pot life is shorter, while in cold weather, it is longer.

APPLICATION

- The mixture is applied to the grout joints using a rubber-based trowel, ensuring the joints are completely filled with no gaps.
- Excess mortar on the surface is cleaned by scraping along the grout lines with the rubber trowel.
- After 15-20 minutes, the surface is wiped with a sponge dampened with warm, soapy water, and the joints are smoothed.
- The sponge should be washed and wrung out regularly, ensuring it is not too wet.
- Finally, after approximately 4-8 hours, before the grout is fully cured, any thin residues on the surface are cleaned with a soapy cloth, and the grout is smoothed to achieve a seamless finish.
- Tools used during the application should be cleaned with thinner, and hands should be thoroughly washed with plenty of water.

CONSUMPTION

- 0,25 kg/m²
- A sample application is recommended to determine the exact consumption.

WARNINGS AND RECOMMENDATIONS

- During application and curing, ambient and surface temperatures should be between +5°C and +30°C.
- Before application, the product should be conditioned at +20°C to +25°C.
- Ensure the application surface is dry and the moisture level is no more than 4%, but it must not be wet.
- Protect the application area from rain or other sources of moisture for up to 24 hours after application.
- For wall and floor joint applications, wait at least 24 hours after ceramic installation.
- For floor applications, light pedestrian traffic is allowed 24 hours after application.
- Wait 7 days for full curing. This is especially critical for areas exposed to water or heavy loads.
- Discoloration may occur in outdoor applications.

STORAGE AND SHELF LIFE

- The product should be protected from rain, moisture, intense sunlight, and frost.
- The shelf life is 12 months from the date of manufacture under proper storage conditions.
- Once opened, containers should be tightly resealed when not in use.

PACKAGING

5 kg set (A+B):

- Component A: 5 kg
- Component B: 0,2 kg

SAFETY RULES

- Appropriate protective equipment (clothing, gloves, goggles, mask) should be used during application.
- In case of contact with the skin, the affected area should be washed with plenty of water.
- For more detailed information, please refer to the Material Safety Data Sheet (MSDS).

QUALITY CERTIFICATES

- Complies with the ISO 9001:2015 quality management standard.
- Complies with the TS EN 13888/RG building materials standard.
- Complies with the TS EN 12004/R2T building materials standard.
- CE marked, compliant with EU standards.



TECHNICAL SPECIFICATIONS

Feature	Value
Appearance	Component A: Thick Paste Component B: Transparent Liquid
Color	Black, White, Gray, Beige
Mixing Ratio	A/B= 5/0,2
Abrasion Resistance	≤ 250 mm ³
Compressive Strength	≥ 45 N/mm ²
Flexural Strength	≥ 30 N/mm ²
Shrinkage	≤ 1.5 mm/m
Slippage	None
Water Absorption (after 240 minutes)	≤ 0.1 g
Temperature Resistance	-20°C / +80°C

*The values mentioned above are valid for +23°C and 50% relative humidity.

LEGAL DISCLAIMER

The information in this document has been prepared based on NESCAOT's laboratory tests and field experience. NESCAOT is not responsible for any adverse outcomes resulting from the use of the product outside of its intended purpose or failure to comply with the conditions stated above.