

## NESCOAT® FUGASIL

### Joint Filler Mortar

#### DESCRIPTION

**NESCOAT® FUGASIL** is a cement-based, polymer-modified, silicone-enhanced, flexible, low water absorption, high-performance joint filler mortar classified as CG2WA.

#### APPLICATION AREAS

- Used for filling 1-6 mm wide joint gaps in ceramic, granite, marble, natural stone, glass mosaic, and porcelain tile installations, in both interior and exterior, horizontal and vertical applications.
- Suitable for use in wet areas such as toilets and bathrooms.
- Applicable in outdoor surfaces exposed to external factors, such as terraces and balconies.
- Suitable for floors with underfloor heating systems, where temperature fluctuations are frequent.
- Suitable for areas with heavy foot and load traffic such as workplaces, shopping malls, schools, and hospitals.

#### ADVANTAGES

- Offers long-lasting usage with high abrasion resistance.
- Its low water absorption makes it safe for use in wet areas.
- The silicone-enhanced structure ensures easy cleaning.
- Resistant to mold and mildew formation.
- Provides flexibility against surface movements caused by temperature fluctuations.
- Offers long-lasting aesthetic appearance with a wide range of color options.

#### 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. In hot weather, lightly moisten the joint gaps without causing water accumulation.

#### MORTAR PREPARATION

Gradually add 25 kg of **NESCOAT® FUGASIL** to 6-6.5 liters of clean water and mix with a low-speed mixer for approximately 3 minutes until a lump-free consistency is achieved. Let the mortar stand for 5 minutes to allow the additives to dissolve, then mix again for 1 minute. If necessary, adjust the consistency by adding a small amount of water or product. The prepared mortar should be used within 1 hour. Do not add water or product to the hardened material.

#### APPLICATION

- The joint filler mortar is thoroughly filled into the joints using a rubber-based trowel with parallel and cross movements, ensuring no gaps are left.
- Excess mortar on the surface is scraped off along the joints using a rubber-based trowel.
- After the grout starts to set (approximately 15-20 minutes), the surface is wiped with a damp sponge, and the joints are smoothed. The sponge should be regularly washed and wrung out, ensuring it is not too wet.
- Finally, once the grout is completely dry, any remaining grout residue on the surface is cleaned with a dry cloth.

#### CONSUMPTION

- 0,25 kg/m<sup>2</sup>.

The specified consumption amounts may vary depending on the surface and application conditions. A sample application is recommended for accurate consumption measurement.

## WARNINGS AND RECOMMENDATIONS

- During application, the ambient temperature and surface temperature should be between +5°C and +35°C.
- After application, the product should be protected from rain or any other causes of wetness until it sets.
- Joint application on walls and floors should begin at least 24 hours after the ceramic tile installation.
- Using less or more water than specified may result in cracks, dusting, and color defects in the joint filler.
- The surface can be opened to light foot traffic 24 hours after application.
- It is recommended to wait 7 days for full strength. This period is particularly important in areas exposed to water and heavy loads.

## STORAGE AND SHELF LIFE

- The product should be protected from rain, moisture, intense sunlight, and frost.
- A maximum of two pallets should be stacked on top of each other.
- The shelf life is 12 months from the date of manufacture under proper storage conditions.
- Opened packages should be tightly sealed and consumed within one week if not used immediately.

## PACKAGING

20 kg kraft bag (PE reinforced)

## 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 building materials standard.
- CE marked, compliant with EU standards.



## TECHNICAL SPECIFICATIONS

Feature	Value
Appearance	Powder
Reaction to Fire	A1
Abrasion Resistance	≤ 1000 mm <sup>3</sup>
Compressive Strength	≥ 25 N/mm <sup>2</sup>
Flexural Strength	≥ 7 N/mm <sup>2</sup>
Compressive Strength After Freeze-Thaw Cycle	≥ 15 N/mm <sup>2</sup>
Flexural Strength After Freeze-Thaw Cycle	≥ 2,5 N/mm <sup>2</sup>
Shrinkage	≤ 3 mm/m
Water Absorption (after 30 min)	≤ 2 g
Water Absorption (after 240 min)	≤ 5 g
Temperature Resistance	-40°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.