

NESCOAT® ULTRAFIX FLEX

Tile Adhesive Mortar

DESCRIPTION

NESCOAT® ULTRAFIX FLEX is a cement-based, polymer-modified, slip-resistant, extended open time, highly flexible tile adhesive mortar classified as C2TES2.

APPLICATION AREAS

- Suitable for use on interior and exterior surfaces, such as cement-based plaster, screed, and concrete surfaces, for the bonding of large-sized ceramic, granite, marble, natural stone, glass mosaic, and porcelain tiles.
- Appropriate for use in wet areas like swimming pools, water tanks, and bathrooms.
- Suitable for areas with significant temperature changes, such as underfloor heating systems.
- Ideal for areas with high foot traffic and heavy loads, such as workplaces, shopping centers, schools, and hospitals.

ADVANTAGES

- Ensures safe use with large tiles up to 120 cm x 240 cm in size.
- The flexibility of S2 class provides resistance to surface stresses.
- Resistant to water and frost.
- Offers extended working time.
- Does not slip on vertical surfaces.
- Easy to trowel and comfortable to apply.

SURFACE PREPARATION

The substrate must be even, clean, dry, and strong enough to support the application. The surface must be free from substances like dirt and dust that could hinder adhesion. Any significant cracks and imperfections should be repaired and leveled using NESCOAT repair mortars. In tile-on-tile applications, if new tiles are to be applied on a glazed tile surface, the surface must be mechanically roughened to make it suitable for adhesion. If the application is to be made on gypsum-based surfaces, the surface must be primed with **NESCOAT® PUREPRIME** clear absorbent surface primer to stabilize the substrate and balance absorption.

MORTAR PREPARATION

Gradually add 25 kg of **NESCOAT® ULTRAFIX FLEX** to 6.5-7 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 4 hours. Do not add water or product to the hardened material.

APPLICATION

Apply the mortar to the substrate using a notched steel trowel and comb it through. For tiles larger than 30x30 cm, adhesive should also be applied to the back of the tile. Place the tiles onto the combed surface within 30 minutes, pressing them down to ensure full contact with the adhesive. Use a rubber mallet to apply pressure, ensuring complete adhesion. If the surface of the applied **NESCOAT® ULTRAFIX FLEX** adhesive has formed a skin, this can negatively affect adhesion. The skinned areas should be re-troweled. Leave appropriate joint gaps suitable for the tile size during the application. Clean any adhesive residues with a damp sponge during application. After application, hands and tools should be thoroughly washed with plenty of water.

CONSUMPTION

- 4-6 kg/m².

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.
- Do not apply the product if freezing conditions are expected within 3 days following the application.
- Grouting can begin at least 24 hours after application on walls and floors.
- Floors can be opened to light foot traffic after 24 hours and to heavy foot traffic after 7 days.

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

25 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 12004 building materials standard.
- CE marked, compliant with EU standards.



TECHNICAL SPECIFICATIONS

Feature	Value
Appearance	Grey or White Powder
Reaction to Fire	A1
Initial Tensile Adhesion Strength	≥ 1 N/mm ²
Tensile Adhesion Strength After Water Immersion	≥ 1 N/mm ²
Tensile Adhesion Strength After Heat Aging	≥ 1 N/mm ²
Tensile Adhesion Strength After Freeze-Thaw Cycles	≥ 1 N/mm ²
Open Time (at least 30 minutes)	≥ 0,5 N/mm ²
Slip Resistance	≤ 0,5 mm
Flexibility	≥ 5 mm
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.