

NESCOAT® ROOFCOAT CEMENT 2K Waterproofing Material

DESCRIPTION

NESCOAT® ROOFCOAT CEMENT 2K is a high-performance, two-component, fully elastic, white waterproofing mortar based on cement and acrylic resin, classified as CMO2P.

APPLICATION AREAS

- Used for waterproofing flat or sloped reinforced concrete roofs, providing protection against positive water pressure (applied to water-exposed surfaces).
- Suitable for repairing capillary cracks on reinforced concrete gutters, downspouts, chimney edges, and parapet corners.
- Used as a waterproofing layer under ceramic coatings in areas exposed to water, such as bathrooms, toilets, balconies, terraces, and swimming pools.

ADVANTAGES

- Offers a white and decorative appearance.
- Resistant to water pooling.
- Durable against light pedestrian traffic.
- UV resistant.
- Provides high adhesion strength.
- Ensures seamless waterproofing on applied surfaces.
- Bridges cracks even at very low temperatures due to its elastic structure.
- Prevents carbonation in concrete.

SURFACE PREPARATION

The substrate must be smooth, clean, dry, and strong enough to support the subsequent application. Remove all contaminants such as dirt and dust that may hinder adhesion. Ensure the surface has a slope toward the drainage point to prevent water pooling (minimum 5%). Dampen concrete surfaces to avoid water accumulation. Repair cracks and uneven areas using NESCOAT repair mortars to ensure a level surface. Weak points such as corners and edges should be beveled (coved) with NESCOAT® repair mortars. If this is not feasible, apply NESCOAT® SEALBAND Waterproofing Tape for Wall and Floor Joints at these junctions.

MORTAR PREPARATION

For application with a brush, roller, or spray, pour 10 kg of the liquid component into a mixing container. Add the entire 20 kg of the powder component to the liquid. Mix with a low-speed mixer for about 3 minutes until a lump-free consistency is achieved. Let the mixture rest for 5 minutes to allow additives to dissolve, then mix again for 1 minute before application. If applying with a trowel, reduce the liquid component by 15-20% to achieve a paste-like consistency. Use the prepared mortar within 3 hours, depending on weather conditions. Do not add water or product to hardened mortar.

APPLICATION

Apply the prepared mortar using a brush, roller, spray, or trowel. Apply the second coat perpendicular to the first coat after a minimum of 6 hours. Surfaces can be covered with ceramic or similar materials 3 days after application.

CURING TIME

The product gains mechanical strength 3 days after application and becomes waterproof 7 days after application. Curing time shortens at higher temperatures and lengthens at lower temperatures.

CONSUMPTION

- 3 kg/m² (for 2 coats).

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, ambient and surface temperatures should be between +5°C and +35°C.
- For surfaces exposed to pressurized water, a 3-coat application is recommended.
- After application, protect the product from rain and moisture until it is completely dry.
- Avoid application if freezing weather conditions are expected within 3 days after application.
- If the surface will be exposed to heavy pedestrian or load traffic, it should be covered with a topping material such as screed or ceramic tiles.
- Allow 3 days before applying the topcoat (e.g., ceramic tile, screed, plaster). Ensure the waterproofing layer is not mechanically damaged during the coating process, as this may negatively impact its performance.

STORAGE AND SHELF LIFE

- Protect the product from direct sunlight and frost.
- The powder component should not be stacked more than 2 pallets high during storage.
- Shelf life is 12 months from the production date under proper storage conditions.
- Opened packages should be tightly sealed when not in use and consumed within one week.

PACKAGING

- 30 kg set (A+B)
- Component A: 20 kg bag (Powder Component)
- Component B: 10 kg canister (Liquid Component)

SAFETY PRECAUTIONS

- Use appropriate protective equipment (clothing, gloves, goggles, mask) during application.
- In case of skin contact, wash the affected area thoroughly with water.
- For more detailed information, refer to the Material Safety Data Sheet.

QUALITY CERTIFICATES

- Complies with the ISO 9001:2015 quality management standard.
- Complies with the TS EN 14891 building materials standard.
- CE marked, compliant with EU standards.



TECHNICAL SPECIFICATIONS

Feature	Value
Appearance	Component A: White Powder Component B: White Liquid
Mix Ratio	A/B = 2/1
Pressurized Water Resistance	≥ 7 bar (for 3 mm thickness)
Adhesion Strength	≥ 1 N/mm ²
Crack Bridging (+20°C)	≥ 1,5 N/mm ²
Crack Bridging (-20°C)	≥ 1 N/mm ²
Capillary Water Absorption	<0.1 kg/m ² h ^{0.5}
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 is based on NESCAOT's laboratory tests and field experiences. NESCAOT is not responsible for any adverse outcomes resulting from the use of the product outside its intended purpose or if the above-mentioned conditions are not followed.