

NESCOAT® WP 205 Waterproofing Material

DESCRIPTION

NESCOAT® WP 205 is a two-component, semi-elastic waterproofing mortar based on cement and acrylic resin, classified as CMP.

APPLICATION AREAS

- Suitable for indoor and outdoor use in horizontal and vertical applications on concrete, plaster, and screed surfaces, providing protection against positive water pressure (applied to water-exposed surfaces).
- Used as a waterproofing layer under ceramic coatings in areas exposed to water, such as bathrooms, toilets, balconies, terraces, and swimming pools.
- Suitable for waterproofing underground and above-ground structural elements such as foundations, basements, retaining walls, and water tanks.
- Applicable for waterproofing concrete surfaces requiring protection against seawater and de-icing salts

ADVANTAGES

- Offers high adhesion strength.
- Provides seamless waterproofing on applied surfaces.
- Features a flexible structure that bridges cracks.
- Durable against hot-cold cycles.
- 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.
- 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

- 25 kg set (A+B)
- Component A: 20 kg bag (Powder Component)
- Component B: 5 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: Grey Powder Component B: White Liquid
Mix Ratio	A/B = 4/1
Pressurized Water Resistance	≥ 2 bar (for 3 mm thickness)
Adhesion Strength	≥ 1 N/mm ²
Crack Bridging (+20°C)	≥ 1,5 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.