NESCOAT® EPORIME
Epoxy-Based Primer

DESCRIPTION
NESCOAT® EPOPRIME is a two-component, solvent-free epoxy resin-based primer product, consisting of Component A (epoxy resin) and Component B (hardener). It has a low-viscosity and filler-free structure.

APPLICATION AREAS
- For indoor and outdoor use, on normal, glossy, and highly absorbent surfaces.
- Priming of concrete surfaces, cement screeds, and epoxy mortars.
- As a primer before all epoxy and polyurethane floor coatings.
- Used as a binder for epoxy-based leveling and repair mortars.

ADVANTAGES
- Provides high early strength.
- Offers excellent adhesion to concrete and steel.
- Has good penetration properties.
- Solvent-free.
- Multi-purpose usage.

SURFACE PREPARATION
The substrate must be clean, dry, and strong enough to support the application. If the substrate is concrete, it must be cured for 28 days and have a minimum compressive strength of 25 N/mm² and a tensile strength of 1.5 N/mm². In restoration works, weak plaster layers should be removed mechanically and completely cleared from the surface. Cracks should be widened to a "V" shape until solid areas are reached. If reinforcement bars are rusty, they should be cleaned, and anti-corrosion treatment should be applied. The surface must be free of contaminants like dirt and dust that could hinder adhesion.

MORTAR PREPARATION
NESCOAT® EPORIME is packaged in appropriate 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 done using a low-speed drill (400-600 rpm) with a mixing paddle; manual or trowel mixing is not recommended.
- If only part of the product is to be used, the mixing ratios should be strictly followed.
- Silica sand in an appropriate ratio (1:1 to 1:5) can be added to the prepared mixture for use as leveling or repair mortar.
- The prepared mixture must be used within 30 minutes.
- Pot life shortens in hot weather and lengthens in cold weather.

APPLICATION
- The **NESCOAT® EPOPRIME** mixture is applied to the surface with a roller or trowel.
- If a textured surface is desired, silica sand with the desired grain size distribution should be sprinkled over the wet primer and left to dry for approximately 24 hours. The excess aggregate should then be swept off to prepare the surface for coating.
- Tools used during the application should be cleaned with thinner, and hands should be thoroughly washed with plenty of water.

SERVICE TIME
- The surface can be opened to service approximately 8 hours after application.
- For full strength, a curing time of 7 days is recommended.
- Curing time may shorten in high temperatures and extend in low temperatures.

CONSUMPTION

- 0,4 kg/m²
- A sample application is recommended to determine the exact consumption.

WARNINGS AND RECOMMENDATIONS

- The ambient and surface temperature during application should be between +5 °C and +35 °C.
- Ensure the application surface is dry with a maximum moisture content of 4%, but not wet.
- Avoid application if freezing weather conditions are expected within 24 hours after application.
- Do not apply under direct sunlight in hot weather or in strong winds.
- Condition Components A and B between 20-25°C before application.
- Excess material on the surface should be cleaned before it hardens; otherwise, it can only be removed by mechanical means after curing.

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

15 kg set (A+B):

- Component A: 10 kg
- Component B: 5 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 1542 building materials standard.
- CE marked, compliant with EU standards.

TECHNICAL SPECIFICATIONS

Feature	Value
Appearance	**Component A: Transparent Liquid** **Component B: Transparent Yellowish Liquid**
Mixing Ratio	**A/B= 2/1**
Compressive Strength (7d)	**≥ 50 N/mm²**
Flexural Strength (7d)	**≥ 25 N/mm²**
Adhesion Strength	**≥ 2 N/mm²**

***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.