

NESCOAT® JETMIX PLUS

Cement-Based Machine Plaster

DESCRIPTION

NESCOAT® JETMIX PLUS is a cement-based, factory-mixed, ready-to-use machine-applied plaster. It is suitable for both machine and manual applications, allowing a single-layer thickness of 10–25 mm.

APPLICATION AREAS

- Suitable for all types of exterior facades, including surfaces such as brick, aerated concrete, fair-faced concrete, and pumice.
- Preferred for exterior facades due to its water-repellent properties and high durability, though it can also be used comfortably on interior surfaces.

ADVANTAGES

- Provides excellent durability and protection for exterior facades.
- Water-repellent properties offer superior protection against moisture on exterior facades.
- Can be used as both fine and coarse plaster in a single layer.
- Allows fast and easy application with a machine.
- Offers high breathability, ensuring air circulation on the surface.
- Guarantees consistent quality with its factory-mixed formulation.

SURFACE PREPARATION

The base surface must be smooth, clean, dry, and strong enough to support the application. Remove mold oils, dirt, and dust that may prevent adhesion. Significant cracks and surface irregularities should be repaired with the same material or NESCOAT repair mortars, ensuring an even surface. Smooth surfaces like fair-faced concrete and absorbent surfaces like aerated concrete must be primed with NESCOAT concrete primer before application.

MORTAR PREPARATION

For machine application: Mix 40 kg of NESCOAT® JETMIX PLUS with 8 liters of water using a ready-mix plaster machine.

For manual application: Gradually add 40 kg of NESCOAT® JETMIX PLUS to 7 liters of clean water while mixing with a low-speed mixer for about 3 minutes until a lump-free consistency is achieved. Adjust the consistency if necessary by adding water or product. The prepared mix must be used within 1 hour. Do not add water or product to hardened material for reuse.

APPLICATION

- **Machine application:** Spray the prepared plaster evenly onto the surface at a thickness of 1–2.5 cm in a single layer.
- **Manual application:** Apply the prepared plaster to the surface evenly using a trowel at a thickness of 1–2.5 cm in a single layer.
- Smooth the surface with a screed after application.
- Once the surface hardens slightly, lightly dampen it and finish with a plaster sponge for a smooth finish.
- For thicknesses exceeding 2.5 cm, allow the first layer to dry for at least 1 day before applying a second layer.
- The recommended maximum application thickness is 5 cm. Exceeding this limit is not advised.
- Use guide strips on large surfaces and thick plaster applications to achieve a smooth finish.
- Wash hands and tools thoroughly with water after application.

DRYING TIME

- Surface drying occurs within 1 day at 23 °C and 50% relative humidity. Full curing is achieved in 3 days.
- Drying times are shorter at higher temperatures and longer at lower temperatures.
- Allow 14 days for the plaster to fully cure and reach its necessary strength before covering.

CONSUMPTION

- 16 kg/m² (for 1 cm thickness).

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

- The ambient temperature and surface temperature during application should be between +5 °C and +35 °C.
- After application, the product must be protected from rain and moisture caused by external factors until it sets.
- Avoid application if freezing conditions are expected within 3 days after application.
- In hot weather, dampen the surface every morning and evening for 3 days after application.
- Allow at least 14 days before applying a final coat or covering. This period enables water evaporation from the material and ensures a suitable surface for subsequent layers. If this period is ignored and the product is covered before fully curing, undesired effects such as white spots (efflorescence) and surface deterioration may occur.

STORAGE AND SHELF LIFE

- The product should be protected from rain, moisture, intense sunlight, and frost.
- Do not stack more than 2 pallets 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

40 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 998-1 building materials standard.
- CE marked, compliant with EU standards.



TECHNICAL SPECIFICATIONS

| Feature | Value |
|--|---------------------------------|
| Appearance | Gray Powder |
| Hardened Mortar Void Bulk Density | 1600 ± 200 kg/m ³ |
| Compressive Strength | ≥ 1.5 N/mm ² (CS II) |
| Bond Strength | ≥ 0.2 N/mm ² (FP:B) |
| Capillary Water Absorption Value | W1 |
| Water Vapor Permeability Coefficient (μ) | ≤ 25 |
| Thermal Conductivity (λ _h) | ≤ 0.76 W/m.K |
| Reaction to Fire | A1 |

*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.