

PRESENTATION

DESCRIPTION

MONTE 12 is a ready-to-use plaster designed for trowel application on **BEALCALCE** renders. CE certified according to EN 998-1, it is composed of natural hydraulic lime NHL5 compliant with EN 459-1, hydrated lime, and carefully selected carbonate sands (grain size 0-1.2 mm).

FIELDS OF APPLICATION

Formulated for porous and breathable substrates, this pink-beige plaster is perfectly suited for renovation projects and the enhancement of architectural heritage. Its binder, based on natural hydraulic lime, is produced through a traditional low-temperature calcination process (around 1100 °C) of siliceous marl limestone, ensuring optimal quality.

COMPOSITION

- Natural hydraulic lime (powder)
- Hydrated lime (powder)
- Carbonate sands
- Setting retarder

TECHNICAL SPECIFICATIONS

IDENTIFICATION DATA	
Natural colour	hazelnut or white for the MONTE 12BL version
Bulk density	1100 kg/m ³ of water
Grain size	0-1.2 mm
pH	11,5
Packaging	25 kg bag
APPLICATION DATA	
Mixing water	Approx. 26% (+/- 0.26 L/kg)
Consumption	+/- between 0.9 and 1.2 kg/m ² /mm of thickness
FINAL CHARACTERISTICS	
Compressive strength at 28 days	2 N/mm ²
Flexural strength at 28 days	1 N/mm ²
Adhesion	≥ 0.3 N/mm ² FP:B
Water vapor permeability coefficient	μ ≤ 14
Capillary water absorption	WO
Thermal conductivity at 50% RH	0.67 W/mK
Thermal conductivity at 90% RH	0.76 W/mK
Reaction to fire	A1
Durability	NPD

APPLICATION

SUBSTRATE AND PREPARATION

Compatible substrates: Suitable for perfectly dry and hardened lime- or cement-based mineral surfaces.

Substrate preparation: The substrate must be sound, dry before and after application, clean, matte, and free of grease. It must also be non-friable, non-flaking, and frost-resistant. To ensure this, all traces of dirt, dust, old paint, or synthetic coatings must be removed by brushing, sandblasting, or high-pressure cleaning. Loose parts must be removed, and missing areas should be repaired with a suitable filler.

Mix preparation: Add approximately 0.26 liters of water per kg, mix for 3 to 4 minutes, and let rest for 10 minutes.

Refer to the legal information at the end of the document

APPLICATION

On heterogeneous substrates or surfaces with old mineral or plastic-based paints or coatings, a primer coat of **RESIPACT** is recommended before application.

MONTE 12 plaster is prepared with clean water and applied in two coats on a pre-dampened substrate, for a total thickness of approximately 3 mm. Both coats are smoothed with a trowel. To maintain the breathability of the substrate, it is recommended to finish with compatible coatings such as lime paints, silicate or siloxane paints, or decorative finishes and stuccos from the **BEALCALCE** range.

MISCELLANEOUS

WARNINGS

Our products are sensitive to humidity, frost and heat. Always store them in a dry place, away from frost and without contact with the ground, in the closed original packaging. Never leave products in direct sunlight.

This product is intended for professional use only. Properly protect areas not intended to be treated with the product. The operator must be equipped according to current safety regulations. No liability will be accepted for any damage resulting from improper use of the product.

ADVICE

Application temperatures between +5°C and +35°C for both the substrate and ambient air.

Strictly follow the application protocols according to the intended use of the product. Never use products other than those specified in this technical data sheet to avoid any risk of incompatibility or failure.

For the same project and product type, always use materials with the same batch number. Make sure to use only original, unopened bags.

Always carry out preliminary tests. In case of doubt, please contact us.

USE

For stabilizing, finishing or restoring narrow gaps and filling joints.

ENVIRONMENT

Dispose of in a specialist waste collection center.

SECURITY

The safety data sheet is available on request or at www.bealinternational.com

LEGAL INFORMATION

The technical instructions and in particular the recommendations about how to apply and use the products are provided in good faith and are based on the current knowledge and experience acquired by BEAL about its products when they are properly stored, handled and applied under normal conditions. In practice, variations in the various materials, substrates and specific conditions encountered on site are such that adhering to this information or to any written recommendation or advice given does not deliver any guarantee of marketable quality other than the statutory guarantee against hidden defects. We accept no liability should the customer fail to adhere to our instructions or recommendations when applying a product. None of the data and information provided relating to the use and application of our product releases customers from the requirement to conduct their own checks and tests. All orders are accepted subject to our current general terms and conditions of business. It is essential that users read the most recent version of the instructions for the product in question, which will be sent to them on request.

The manufacturer reserves the right to modify the above information over time, while maintaining the characteristics of the product.

Refer to the legal information at the end of the document

Page n°2 - This technical document contains 2 page(s) - Edition AG 2025-04-30 - This edition cancels and replaces all previous editions.

BEAL INTERNATIONAL S.A.

Z.I. NOVILLE-LES-BOIS • RUE DU TRONQUOY 8 • 5380 FERNELMONT • BELGIUM
T. +32 (0) 81 83 57 57 • F. + 32 (0)81 83 57 67 • RPM NAMUR • TVA BE 0414 592 153
INFO@BEAL.BE • WWW.BEAL.BE

