

IN200

Rough mortar for traditional substrate plaster for interior and exterior use, consisting of cement, lime, selected aggregates max. 2.5 mm and specific additives to be applied by machine or by hand.



Use this QR code for further details on application modalities, safety sheet and other information.

11 Product code



Technical characteristics

Type of mortar UNI EN 998 -1	General purposes, indoor/outdoor plasters (GP)
Minimum thickness	10 mm
Theoretical consumption (per cm of thickness)	13 - 14 kg/m²
Compressive strength UNI EN 1015 -11	3.5 MPa
Compression resistance UNI EN 998-1	CS II
Density of the hardened product UNI EN 1015-10	1550 kg/m³

Coefficient of thermal conductivity UNI EN 1745	0.57 W/mK
Coefficient of water absorption for capillarity EN 1015-18	W0
Adhesion to substrate UNI EN 1015-12	0.60 MPa
Fire reaction class UNI EN 13501-1	A1
Water vapour diffusion coefficient [μ]	12

Description

IN 200 is a traditional foundation plaster based on cement, lime, selected aggregates and specific additives with mechanised application for internal and external walls in residential, commercial and industrial buildings. The use of siliceous aggregates and the special study of the mixtures make it possible to

achieve high mechanical strength values, an excellent level of breathability and, in addition, the product is easy to process even with small amounts of mixing water, offering less shrinkage and superior mechanical properties.

Physical characteristics

Supply	bag 25 kg / loose
Consistency	powder
Apparent density	1400 kg/m ³
Mixture water	21 - 23%
Fresh mortar specific weight UNI EN 1015-6	1500 kg/m ³
Aggregate maximum size	≤ 2.5 mm

Workability time	60 min
Pot life time	1 h
Waiting time for planing	> 6 h
Downtime	45 min
Temperature of use	+5 °C/+35 °C
Storage period	12 months in unopened packages away from humidity

Fields of application

IN 200 is suitable for indoor and outdoor use in residential, business, commercial and industrial buildings. IN 200 is used as a base plaster on masonry substrates such as:

- common, thermo-acoustic and porous bricks;
- concrete blocks and autoclaved concrete;

- stone blocks, tuff and limestone;
- concrete structures previously treated with TMA Rinzafo;
- old bricks previously treated with TMA Rinzafo;
- for special substrates, the supplier's instructions must be observed.

Substrate preparation

The substrate must be homogeneous, strong, rough, clean and moist. All traces of oil, grease, wax, etc. must be removed beforehand. On existing masonry, mixed masonry, and poorly absorbent and/or smooth concrete, it is essential to hydro-wash and apply TMA Rinzafo adhesion primer over the entire surface.

Joints between different elements (between pillar and masonry, between beam and masonry, etc.) must be reinforced with alkali-resistant glass fibre mesh.

Irregularities of more than 2 cm must be prepared at least

days before with a filling of IN 200. For thicknesses of more than 2 cm, we recommend the use of an alkali-resistant glass fibre plaster mesh (10 x 10 mm and grammage 110-140g/m²).

In order to achieve a correct application of the product while respecting the levelling in the walls, it is advisable to prepare vertical guides and corner protectors using only Unibianco.

Moisten the substrate the day before application.

Product preparation

IN 200 can be worked with all common plastering machines or by manual application.

In the case of mechanised application, the mixing water must be dosed by adjusting the flowmeter of the plastering machine until a consistent, plastic mortar is obtained (using a

21 to 23 litres of water per 100 kg of powder).

In the case of application by hand, mix in a concrete mixer or with a whisk mixer at low speed for 4 to 5 minutes using the correct amount of water (5.5 litres per 25 kg bag).

Machine application

Projection onto the surface from a distance of about 20 cm is recommended in order to obtain an even spray pattern. Apply a first layer approx. 0.5 cm thick, wait for it to dry (approx. 15 minutes) and then apply the second layer of the desired thickness. Wait a few

minutes before levelling with an H-shaped or knife-edged aluminium in horizontal and vertical passes until a flat surface is obtained.

After at least 4 hours when the product has hardened (plastic phase is complete), scratch the surface and square off corners and edges.

Manual application

Apply a first layer by hand, wait for it to dry (approx. 15 minutes) and then apply the second layer of the desired thickness. Wait a few minutes before levelling with an

h-shaped or knife-edged aluminium rod with horizontal and vertical passes until a flat surface is obtained.

After at least 4 hours when the product has hardened (plastic phase is complete), scratch the surface and square off corners and edges.

Advantages

Silica aggregates

Tradimass consists of silica sand grains. This aggregate has high hardness, low reactivity to acid attacks and, above all, a low water absorption. This advantage results in a product that is easy to process, even with small amounts of mixing water, and offers less risk of damage

shrinkage and superior mechanical properties. This gives greater durability to the work. The attention to the particle size curve makes it possible to obtain an excellent level of breathability of the hardened product.

Specification item

Traditional substrate plaster, based on cement, lime, selected silica aggregates and specific additives, mechanised application for internal and external masonry to be mixed

with water only, such as IN 200 by Tradimalt S.p.A.
Consumption 13 - 14 kg/m^2 per cm of thickness.
Compression resistance at 28 days 3.5 MPa



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UNI EN 998-1
IN200

*General purposes mortar for indoor/outdoor plasters
(GP)*

Reaction to fire: Class A1
Adhesion: 0.6 N/mm² - FP:
B Water absorption: W 0
Water vapour diffusion coefficient: μ_{12} Thermal
conductivity: ($\lambda_{10, dry}$) 0,57 W/mK (tabulated value) Durability:
(against freezing/thawing): assessment based on the
provisions valid in the place of intended use of the
mortar.



This is Tradimalt's way of communicating, in its information and technical-commercial material, the composition of each product and some of the product's key features. Therefore, the focus is on supply chain transparency, not required by any relevant regulation but which Tradimalt nevertheless intends to offer to its customers in order to emphasise the quality of the raw materials, and thus of the product, as well as the safety that the company intends to demonstrate with regard to formulations. The focus is therefore in the "transparency" that the company intends to manifest in the supply chain, which is not required by any current formulation law.

Raw materials contained in the product

Selected raw materials:

- Siliceous aggregates (0 to 2.5 mm) with high hardness and low water absorption; water absorption;
- Cements, Portland cement 42.5 R type II from Italian cement factories;
- End-of-life recyclable product.

Warnings

- Do not apply on frozen or thawing substrates;
- do not apply at high temperatures;
- do not apply on absorbent substrates;
- always soak until saturated the day before application;
- do not apply on non-homogeneous substrates unless properly prepared;
- Do not apply on painted substrates.
- do not apply on gypsum substrates;
- do not apply on loose or crumbling substrates;
- protect the plaster from rapid drying and moisten for a few days after application;
- application temperature between +5 °C and + 35 °C;
- store the product in its undamaged packaging and protected from moisture for up to 12 months.

The technical-practical information contained in the technical data sheet is the result of our most accurate and detailed scientific research and experience in the field. However, since we cannot directly influence the site conditions and the execution of the work, this information is to be considered non-binding and therefore not legally or otherwise mandatory for third parties. This information does not exempt the end user from their responsibility to test our products in order to ascertain their suitability for the intended use. We therefore strongly advise the customer/applicator to carry out the appropriate preventive tests of Tradimalt products so that their suitability can be ascertained.