

Murofacile

Universal mortar for masonry and plaster, for interior and exterior use, with manual application. Based on hydraulic binders, selected aggregates max. 2.5 mm and specific additives.



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

55 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	5.0 MPa
Compression resistance UNI EN 998-1	CS III
Density of the hardened product UNI EN 1015-10	1850 kg/m³

Coefficient of thermal conductivity UNI EN 1745	0.57 W/mK
Coefficient of water absorption by 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

Murofacile is a ready-mixed mortar based on cement, lime, selected aggregates and specific additives for manual application for indoor and outdoor masonry work and plastering in residential, commercial and industrial buildings. The use of siliceous aggregates and the special design of the mixtures provide high

mechanical strength values and an excellent level of breathability. In addition, the product is easily workable even with small amounts of mixing water, offering less shrinkage and superior mechanical properties.

Physical characteristics

Package	25 kg
Consistency	powder
Apparent density	1400 kg/m ³
Mixture water	18 - 20%
Fresh mortar specific weight UNI EN 1015-6	1550 kg/m ³
Aggregate maximum size	≤ 2.5 mm

Workability time	1 h
Pot life time	2 h
Waiting time for planing	> 4 h
Temperature of use	+5 °C/+35 °C
Storage period	12 months in unopened packages away from humidity

Fields of application

Murofacile is used as a ready-to-use mortar for masonry work and as a base coat plaster to be used by hand, and is suitable for the exterior and interior areas of residential, business, commercial and industrial buildings. It can also be used for closing in-wall wiring ducts and other minor works. Murofacile is used on substrates such as:

- common, thermo-acoustic and porous bricks;

- 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.

Product preparation and application

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Mix in a concrete mixer or with a low-speed whisk mixer for 4 to 5 minutes using the correct amount of water. 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 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.

Masonry mortar

Mix Murofacile with 18% clean water with a mixer at low speed until obtaining a homogeneous, lump-free paste. The mixture should be made in such quantities as to

be laid in a maximum of one hour (setting start time of the product). Tradimur remains workable for about 60 min at +20 °C.

Advantages

Silica aggregates

Murofacile 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

Mortar for masonry and traditional substrate plaster, based on cement, lime, selected silica aggregates and specific additives, for manual application for internal and external masonry

to be mixed with water only, such as IN 200 by Tradimalt S.p.A. Consumption 14 kg/m^2 per cm of thickness.
Compression resistance at 28 days 5 MPa



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UNI EN 998-1
Murofacile

General purpose outdoor plaster mortar (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.



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UNI EN 998-2
Murofacile

*Masonry mortar with a prescribed composition for
general purposes, external/internal use*

Proportion of constituents (by volume):
Cement 10% - Lime 2% - Aggregates
88% Reaction to fire: Class A1 Water
absorption: 1.2 [kg/(m² min^{0.5})]
Water vapour diffusion coefficient: μ_{20} Thermal
conductivity: ($\lambda_{10, dry}$) 1,24 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 End-of-life recyclable product.

Cements, Portland cement 42.5 R type II from Italian factories; water absorption;

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 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.