

# Tradimur M5/M10

Ready-mixed mortar for load-bearing internal and external masonry based on hydraulic binders, silica sand and specific additives.



TROWEL APPLICATION



FOR INDOOR AND OUTDOOR USE



SINGLE-COMPONENT PRODUCT



UN EN 998-2 CERTIFIED PRODUCT



RICICLO CATEGORIA R5



SiO<sub>2</sub> 60 AGGREGATI SILICEI



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

**50** Product code



## Technical characteristics

	M5	M10
Type of mortar UNI EN 998-2	G	G
Compression resistance category UNI EN 998-2	M 5	M 10
Minimum thickness	10 mm	10 mm
Theoretical consumption per m <sup>2</sup> of masonry	see table	see table
Compression resistance UNI EN 1015-11	6.0 MPa	12.5 MPa

	M5	M10
Density of the hardened product UNI EN 1015-10	1800 kg/m <sup>3</sup>	1850 kg/m <sup>3</sup>
Coefficient of thermal conductivity UNI EN 1745	0.93 W/mK	0.93 W/mK
Fire reaction class UNI EN 13501-1	A1	A1
Water vapour diffusion coefficient [μ]	15	15

## Description

Tradimur is a pre-mixed mortar based on cement, lime, selected aggregates and specific additives for manual application on masonry work, indoors and outdoors, in residential, business, 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

	M5	M10
Package	25 kg	25 kg
Consistency	powder	powder
Apparent density	1450 kg/m <sup>3</sup>	1500 kg/m <sup>3</sup>
Mixing water	16 - 18%	16 - 18%
Setting time	30 min	30 min

	M5	M10
Fresh mortar specific weight UNI EN 1015-6	1900 kg/m <sup>3</sup>	1950 kg/m <sup>3</sup>
Aggregate maximum size	≤ 2.5 mm	≤ 2.5 mm
Temperature of use	+5 °C/+35 °C	+5 °C/+35 °C
Pot life time	4 h	4 h
Storage period	12 months	12 months

## Fields of application

Ready-mixed mortar for internal and external masonry work with manual application on all types of bricks, concrete blocks and stones. Its use enables high daily production rates and optimisation of production processes.

Tradimur is used as bedding mortar for elements such as:

- common, thermo-acoustic and porous bricks;
- concrete blocks and autoclaved concrete;
- stone blocks, tuff and limestone;
- for special substrates, the supplier's instructions must be observed.

## Substrate preparation

The materials to be bedded must be free of dust and dirt; do not use blocks, bricks or stones with traces

of oils, waxes or fats. It is not necessary to wet the materials except in hot, dry periods.

## Product preparation and application

Mix Tradimur with 16 - 18% clean water with a mixer at low speed until a homogeneous, lump-free paste is obtained. The mixture should be made in such quantities

as to be laid in one hour max. (setting start time of the product).

## Advantages

### Silica aggregates

Tradimur consists of a mix of aggregates with a very high silica concentration. This aggregate has high hardness, low reactivity to acid attacks and, above all, a low water absorption. This quality results in a product that is easy to process even with small amounts

of mixing water, offering less shrinkage and superior mechanical properties. This makes the work more durable. 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 bedding internal and external masonry elements with cement mortar to be mixed with water only, such as Tradimur by Tradimalt S.p.A.  
Variable consumption depending on block size.

Tradimur M5 has compressive strength category M5 according to UNI EN 998-2.  
Tradimur M10 has compressive strength category M10 according to UNI EN 998-2.

### Tradimur consumption (Kg/m<sup>2</sup>) with joint size of 1 mm

(block size in cm)

25x25x8	1
25x25x12	12.1
25x25x20	18.1
25x25x15	22.7
25x25x25	30.2
25x25x30	37.8
25x25x32.5	45.4
25x25x35	49.1
25x25x40	60.5
20x24x30	52
60x20x24	30.2
60x20x30	37.8
60x20x35	44.1



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H-CPR-13-07

**UNI EN 998-2**  
**Tradimur M5**

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

Proportion of constituents (by volume):  
Cement 10% - Lime 2% - Aggregates  
84% Reaction to fire: Class A1 Water  
absorption: 1.2 [kg/(m<sup>2</sup> min<sup>0.5</sup>)]  
Water vapour permeability:  $\mu$ 15/35 (tabulated value) Thermal  
conductivity ( $\lambda_{10, dry}$ ) 1,24 W/mK (tabulated value) Durability:  
(against frost/thaw): NPD



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**UNI EN 998-2**  
**Tradimur M10**

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

Proportion of constituents (by volume):  
Cement 14% - Lime 2% - Aggregates  
80% Reaction to fire: Class A1 Water  
absorption: 1.2 [kg/(m<sup>2</sup> min<sup>0.5</sup>)]  
Water vapour permeability:  $\mu$ 15/35 (tabulated value)  
Thermal conductivity ( $\lambda_{10, dry}$ ) 1,24 W/mK (tabulated value)  
Durability: (against frost/thaw): NPD



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:

- Mix of aggregates with a high concentration of silica, with cement factories; high hardness and low water absorption; End-of-life recyclable product.
- Cements, Portland cement 42.5 R type II from Italian

## Warnings

- Do not apply on frozen or thawing substrates;
- do not apply at high temperatures;
- do not apply on absorbent substrates unless previously treated;
- 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.