

F50BL

White, smooth, resin-bonded mineral finishing plaster, used to finish traditional or pre-mixed plasters, both indoors and outdoors, particularly suitable for fine finishes on traditional plaster.



TROWEL
APPLICATION



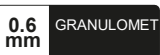
FOR
INDOOR AND
OUTDOOR
USE



SINGLE-COMPONENT
PRODUCT



POLVERE
DI MARMO



0.6
mm GRANULOMET



RESINATA



RICICLO
CATEGORIA R5



BASE CALCE
E CEMENTO



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

36

Product code



Technical characteristics

Apparent density	825 kg/m ³
Mixture water	30 - 32%
Workability time	2 h
Coating time with paint products	21 days
Waiting time between the first and second layer	1 h
Aggregate maximum size	< 0.6 mm

Compression resistance at 28 days	3.5 MPa
Max. thickness per coat	2 mm
Theoretical consumption per cm of thickness	0.8 - 1.2 kg/m ²
Resistance to vapour diffusion (EN 1745)	$\mu \leq 12$
Coefficient of water absorption by capillarity EN 1015-18	W 1
Coefficient of thermal conductivity (EN 1745)	0.28 W/m·K

Description

F50 BL is a white, smooth and sintered mineral finishing plaster, used to finish traditional or pre-mixed plasters, both indoors and outdoors, and is particularly suitable for high-quality finishes on traditional plasters. It consists of hydraulic binders, selected aggregates with a maximum grain size of 0.6

mm, which enhance their durability performance due to their chemical resistance. The use of polymeric additives improves its adhesion to the substrate and its hygroscopic capacity, making it also suitable for outdoor use.

Physical characteristics

Package	25 kg	Fire reaction class EN 13501-1	A1
Consistency	powder	Operating temperature	+5 °C/+35 °C
Colour	White	Storage	12 months in unopened packages protected from moisture
Density of the hardened product UNI EN 1015-10	1400 kg/m ³		

Fields of application

F50 BL is used to finish and decorate surfaces such as:

- pre-mixed plasters, such all those in the Tradimalt line;
- pre-mixed cement and lime based plasters;
- cementitious plasters;
- traditional plasters.

Substrate preparation

The substrates must be even, moist, evenly absorbent and free of unstable parts. Eliminate scraping or sanding dusts often present in the case of pre-mixed, mechanically projected substrates. Concretes must be

washed, degreased and free of all traces of salt efflorescence and release oils. Moisten the substrates before application. Unstable and/or inconsistent substrates must first be stabilised with *Tradimalt Consolidante*.

Product preparation

Mix F50 BL with 30 - 32% clean water. Knead with a whisk mixer at low speed, taking care to remove any loose powder from the sides and bottom of the bowl, until complete homogeneity

of the product. In the case of over-seasoned and/or dry substrates, it is recommended to apply *Tradimalt Insulating Primer* beforehand.

Product application

Apply according to the fresh-on-fresh technique, after a minimum time of 48 hours from the application of the plaster. Apply the first layer of product on the plaster sufficiently cured after at least 24 hours using a steel spatula, evenly over the entire surface. After at least one hour, or in any case when the product starts to set, the second coat can be applied. Proceed to the next finishing stage

with a metal trowel, moistening with water if necessary, until a smooth, an even surface without joints or overlaps is obtained. In order to improve adhesion, plasticity and workability, it is advisable to mix the product with LGS Plus resin in aqueous dispersion instead of the traditional mixing water.

Advantages

Marble powder

F50 BL consists of grains of marble powder. This aggregate enhances durability performance due to its chemical resistance. The low water absorption results in a product that is easy to process, even with moderate amounts of mixing water, offering less shrinkage and improved

mechanical characteristics. Historically, marble powder has proved to be the aggregate of greatest aesthetic and functional value. Their mix combines decoration, breathability and resistance to environmental aggression, whether biotic (mould and bacteria) or abiotic (acid rain).

Redispersible polymer powders

Within its formulation, F50 BL white has polymers dispersed in powder form that are activated on contact with the mixing water, creating a composite material in which the polymeric phase confers numerous advantages to the mortar, in particular allowing it to increase flexural and tensile strength, reduce the elastic modulus and create an intimate bond

between the cement-based mortar and the substrate, even if irregular, improving its adhesion. The presence of specific polymers ensures a better workability during the application and a stronger resistance to water and atmospheric agents in general.

Specification item

Decoration and protection of exterior and interior surfaces with a premixed powdered finish, based on lime, white cement, marble powder and specific additives, to be mixed with water only, such as Tradimalt S.p.A.'s F50 BL. This finish, to be applied on traditional substrates only, must be applied

manually with a metal trowel in two passes in a total thickness of 3 to 5 mm.
Consumption 1.6-2.5 kg/m² for two layers.
Compression resistance at 28 days 3.5 MPa

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:

- Marble powder (0 to 0.6 mm): aggregates that combine excellent mechanical performance and aesthetic value;
- Cements, Portland cement 52.5 R type I from dispersed in powder factories; End-of-life recyclable product.
- Aerial lime, produced by firing the purest limestones, rocks with a high calcium carbonate content;
- Organic co-binder, co-polymers, based on vinyl acetate and ethylene, that improve adhesion and deformability. Italian cement

Warnings

- Do not apply on supports that are ice-cold, thawing, or risk to freeze during the 24 hours after the application.
- do not apply at high temperatures and absorbent substrates, always moisten substrates the day before application;
- avoid application in strong wind or full sunshine;
- do not apply to products containing solvents, oils or grease;
- protect the product from rapid drying and moisten for a few days after application;
- protect the parts not to be soiled;
- do not add neither binding agents nor aggregates to the product;
- 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.