

FinishPro 280

Cementitious mortar, polymer-modified, thixotropic, fiber-reinforced, certified according to UNI EN 1504-2, specific for smoothing and protecting concrete.

FinishPro 280 is a polymer-modified smoothing mortar, with a fine civil texture, based on hydraulic binders, selected pure aggregates and specific additives. Formulated in the Licata S.p.A. research and development laboratories, it is characterized by easy workability, thixotropy and wetting power. The presence of re-dispersible resins gives the product an increase in the power of adhesion and resistance to aggressive agents present in the atmosphere. **FinishPro 280** is ideal for smoothing, both indoors and outdoors, of reinforced concrete structures, leveling and protecting concrete elements restored with mortars from the **licata.repair** range (**Repair 200 SR, Repair 250, Repair 450, Repair 400 C**). The excellent aesthetic finish, guaranteed by a grain size curve with a maximum head <0.5 mm, allows painting or decorative treatments even without further processing. **FinishPro 280** meets the requirements of **UNI EN 1504-2** according to the 1.3 (C) principle.



MAIN FIELDS OF USE

FinishPro 280 finds its natural intended use as:

- Repair of concrete even with exposed metal rods
- Regularizing and protective layer after the application of repair mortars
- Smoothing and protection from carbonation phenomena of reinforced concrete works
- Regularization and protection of concrete structures with non-homogeneous surfaces
- Interventions on cement infrastructures in general.
- Lime / cement based plasters
- Brick
- EPS, graphite EPS or XPS insulating panels (only for low plinth bands).

For application on different substrates, please contact the technical department.

CHARACTERISTICS

- Certified according to UNI EN 1504-2: FinishPro 280, it prevents the penetration of atmospheric CO₂, thus protecting the underlying concrete from the negative consequences of carbonation.
- Easy workability. The combination of smoothness, rheology and a good open time is obtained thanks to the use of latest generation additives.
- Excellent thixotropy: FinishPro 280 is characterized by excellent thixotropy and wetting power, making it ideal for both vertical and overhead application.
- Fiber-reinforced. The special HT fibers give the product the properties of a continuous reinforcement, increasing its resistance to bending.
- High adhesion power. FinishPro 280 adheres to most commonly used substrates in construction. The adhesion values obtained after exposure to extreme conditions of frost, heat and chemical aggression are proof of its reliability.
- Controlled hygrometric withdrawal. Dimensional stability, guaranteed by a hygrometric shrinkage close to zero, allows application in variable thicknesses between 1 and 10 mm, minimizing cracking phenomena.

- Excellent aesthetic finish. Maximum head <0.5 mm, the finishes made with **FinishPro 280** allow painting or decorative treatments even without further processing.

APPLICATION PROCEDURE

Preparation of the substrate

Mechanically remove any friable or easily detachable parts. Carefully clean the application area so that it is free of dust, residues of surface treatments such as: detergents, oily substances, form release agents, mineral or organic greases, waxes, traces of gypsum and salts. Very dusty and chalking surfaces must be previously treated with a special consolidating primer Nano Primer. Any holes or macro cracks must be restored with mortars from the licata.repair family.

Preparation of the product

4.25-4.75 liters of clean water (UNI EN 1008) are required for each 25 kg bag (i.e. 17-19% by mass). Pour the product into a clean container, containing $\frac{3}{4}$ of the mixing water, mix for about 3 minutes with a low-speed mixer, gradually adding the residual water until a thixotropic, homogeneous and lump-free mixture is obtained. For an ideal application, let the mixture rest for a few minutes. Avoid splitting the packs for partial mixing. The product stored in open bags and used only in part may no longer meet the technical characteristics listed in this document.

Application

Apply by trowel in at least two coats at intervals from 2 to 24 hours depending on the climatic conditions. The thickness for each layer should not exceed 2-3 mm. Finish with a sponge trowel, moistening with spray water and / or wetting the tool. FinishPro 280 reaches a degree of maturation suitable for subsequent decorations after at least one week at T: 20 ° C \pm 1 and RH: 70% \pm 5. For demanding cases such as very uneven surfaces, with the presence of micro-cracks, areas subject to wear, substrates object of settlements or movements, it is strongly recommended in an anti-cracking function, to interpose, before the last coat, the licatatherm 160 mesh in vertical strips, overlapping it along the side edges for at least 10 cm. Unfavorable weather conditions, dry wind, high temperatures or very absorbent substrates, can reduce the open time of the mix, therefore it is necessary to constantly check that the mortar does not form a film, re-shaking it as needed. A damp substrate helps extend the open time of the mix, however it is contraindicated to further wet the already mixed mortar. Do not apply FinishPro 280 on substrates with a veil of water on the surface, completely dry or in extreme conditions such as: walls exposed to the beating sun or frozen. Make sure that the ambient, substrate and product temperatures during application are between +5 ° C and +35 ° C.

PRODUCT INFORMATION

Appearance	grey powder
Grain Size	<0,5 mm
Consumption of powder	1,5-1,6 kg/m ² every mm of thickness
Mixing water	17-19% of the weight of the powder
Workability time at 20 °C	≈ 30 minutes
Application thickness per coat	2-3 mm
Application temperature	from +5 °C a +35 °C
Storage	9 months in a dry and protected place in unopened packaging, at temperatures between +5 °C and +35 °C
Packaging	25 kg
pH of the product	aprox 12

PERFORMANCES required according to UNI EN 1504-2

Characteristics	Test Method	Regulatory requirement	Performance
Permeability to CO ₂	EN 1062-6	Complies with the threshold value in m	0
Permeability to water vapour	EN ISO 7783-1 EN ISO 7783-2	Class declared	V2
Capillary absorption and permeability to liquid water	EN 1062-3	Complies with the threshold value in kg m ⁻² h ^{-1/2}	class 1
Adhesion force for direct traction	EN 1542	Compliant with the threshold value in N/mm ²	>0,8 (A/B)
Fire resistance Euroclass	EN 13501-1	Euroclass declared	A1

WARNINGS

- Product for professional use.
- Alkaline material: protect the eyes and skin during application.
- After use, wash the tools with water when the dough is still fresh.
- The ambient temperature and the humidity rate affect the workability, setting and drying times.
- Adequately cure the product's maturation for at least 24 hours after laying, protect the fresh mortar from rapid drying, direct sunlight, strong wind and heavy rain.

SAFETY

Regarding information regarding the correct disposal, storage and handling of the product, please to consult the relative Safety Data Sheet.

NOTE

This technical data sheet replaces and cancels the previous versions.

The information and services provided in this document are based on our current technical and scientific knowledge and in any case are to be considered purely indicative as the conditions of use are not controllable by us. The buyer must therefore verify the suitability of the product for the specific case, assuming all responsibility deriving from its use. Our technical-commercial network guarantees rapid advice and is at your disposal for clarifications and questions on the use and processing of licata SpA products.

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