

FinishPro 280

Polymer-modified, thixotropic, fibre-reinforced cementitious mortar, certified according to UNI EN 1504-2, specifically designed for the smoothing and protection of concrete.

FinishPro 280 is a polymer-modified skim coat mortar with a fine civil-texture finish, based on hydraulic binders, selected pure aggregates, and specific additives. Developed in the Research and Development laboratories of Licata S.p.A., it is characterised by easy workability, thixotropic properties, and excellent wetting capacity. The presence of redispersible resins provides the product with enhanced adhesion and increased resistance to aggressive atmospheric agents. **FinishPro 280** is ideal for skim coating, both internally and externally, on reinforced concrete structures, as well as for the levelling and protection of concrete elements repaired using mortars from the licata.repair line (**Repair 200 SR, Repair 250, Repair 450, Repair 400 C**). Its excellent aesthetic finish, ensured by a maximum aggregate size of < 0.5 mm, allows for painting or decorative treatments even without further finishing operations. **FinishPro 280** complies with the requirements of **UNI EN 1504-2** according to Principle 1.3 (C).



MAIN AREAS OF APPLICATION

FinishPro 280 is naturally intended for use as::

- Repair of concrete, including areas with exposed steel reinforcement bars
- Levelling and protective layer following the application of repair mortars
- Skim coating and protection of reinforced concrete structures against carbonation phenomena
- Levelling and protection of concrete structures with uneven or non-homogeneous surfaces
- Applications on cementitious infrastructure in general
- Lime/cement-based renders
- Brick and block substrates
- Insulation boards in EPS, graphite EPS, or XPS (only for low plinth/base areas)

For application on substrates other than those listed, please contact the technical department.

CHARACTERISTICS

- Certified according to **UNI EN 1504-2**: **FinishPro 280** prevents the penetration of atmospheric CO₂, therefore protecting the underlying concrete from the negative effects of carbonation.
- Easy workability: The combination of smooth application, optimised rheology, and good open time is achieved through the use of latest-generation additives.
- Excellent thixotropic properties: **FinishPro 280** is characterised by excellent thixotropy and wetting capacity, making it ideal for both vertical and overhead applications.
- Fibre-reinforced: Special HT fibres provide the product with the properties of continuous reinforcement, increasing its flexural strength.
- High adhesion strength: **FinishPro 280** adheres to most substrates commonly used in construction. Adhesion values maintained after exposure to extreme conditions such as frost, heat, and chemical attack demonstrate its reliability.
- Controlled hygrometric shrinkage: Dimensional stability, ensured by near-zero hygrometric shrinkage, allows application in thicknesses ranging from 1 to 10 mm while minimising the risk of cracking.



- Excellent aesthetic finish: With a maximum aggregate size of < 0.5 mm, finishes achieved with **FinishPro 280** allow for painting or decorative treatments even without further finishing operations.

APPLICATION METHOD

Substrate Preparation

Mechanically remove all loose or easily detachable material. Thoroughly clean the application area so that it is free from dust, residues of surface treatments such as detergents, oily substances, release agents, mineral or organic greases, waxes, traces of gypsum, and salts. Highly dusty or powdery surfaces must first be treated with the appropriate consolidating primer, Nano Primer. Any holes or major defects must be repaired using mortars from the licata.repair range.

Mixing Preparation

4.25–4.75 litres of clean water (UNI EN 1008) are required for each 25 kg bag (equivalent to 17–19% by mass). Pour the product into a clean container containing approximately $\frac{3}{4}$ of the mixing water and mix for around 3 minutes using a low-speed mixer, gradually adding the remaining water until a homogeneous, lump-free, thixotropic mixture is obtained. For ideal application, allow the mix to rest for a few minutes before use. Avoid splitting packaging for partial mixes. Product stored in opened and partially used bags may no longer meet the technical characteristics listed in this document.

Application

Apply by trowel in at least two coats, with intervals ranging from 2 to 24 hours depending on climatic conditions. The thickness of each coat must not exceed 2–3 mm. Finish with a sponge float, lightly moistening with sprayed water and/or dampening the tool.

FinishPro 280 reaches a suitable curing stage for subsequent decorative finishes after at least one week at T: 20 °C ± 1 and RH: 70% ± 5 . For demanding applications such as highly uneven surfaces, areas with micro-cracking, wear-prone zones, or substrates subject to settlement or movement, it is strongly recommended, for anti-cracking purposes, to embed **LicataTherm 160** Mesh before the final coat. The mesh should be installed in vertical strips with a minimum overlap of 10 cm along adjoining edges. Unfavourable weather conditions, dry wind, high temperatures, or highly absorbent substrates may reduce the open time of the mix. It is therefore necessary to regularly check that the mortar has not formed a surface film, remixing when required. A slightly damp substrate helps prolong the open time of the mix; however, adding extra water to already mixed mortar is not recommended. Do not apply **FinishPro 280** onto substrates with surface water present, completely dry substrates, or under extreme conditions such as walls exposed to direct sunlight or frozen surfaces. Ensure that ambient, substrate, and product temperatures during application are between +5 °C and +35 °C.

PRODUCT INFORMATION

Appearance	Grey powder
Particle size	< 0.5 mm
Powder consumption	1.5–1.6 kg/m ² per mm of thickness
Mixing water	17–19% of powder weight
Working time at 20 °C	≈ 30 minutes
Application thickness per coat	2-3 mm
Application temperature	From +5 °C to +35 °C
Storage	9 months in a dry, protected place in unopened packaging, at temperatures between +5 °C and +35 °C
Packaging	25 kg
Mix pH	Approx. 12

Performance Requirements According to UNI EN 1504-2

Characteristic	Test method	Regulatory requirement	Performance
CO ₂ Permeability	EN 1062-6	Compliant with threshold value in m	Class 0
Water Vapour Permeability	EN ISO 7783-1 EN ISO 7783-2	Declared Class V2	V2
Capillary Absorption and Liquid Water Permeability	EN 1062-3	Compliant with threshold value in $\text{kg}\cdot\text{m}^{-2}\cdot\text{h}^{-1/2}$	Class 1
Adhesion Strength by Direct Tensile Test	EN 1542	Compliant with threshold value in N/mm^2	> 0.8 (A/B)
Reaction to Fire Euroclass	EN 13501-1	Declared Euroclass	A1

WARNINGS AND PRECAUTIONS

- Product for professional use only.
- Alkaline material: protect eyes and skin during application.
- Clean tools with water immediately after use while the mix is still fresh.
- Ambient temperature and humidity levels affect working time, setting, and drying times.
- Ensure proper curing of the product for at least 24 hours after application. Protect fresh mortar from rapid drying, direct sunlight, strong wind, and heavy rain.

SAFETY

For information regarding the correct disposal, storage, and handling of the product, please refer to the relevant Safety Data Sheet.

NOTE

This technical data sheet replaces and supersedes all previous versions.

The information and performance values provided in this document are based on our current technical and scientific knowledge and are to be considered purely indicative, as application conditions are beyond our control. The purchaser must therefore verify the suitability of the product for the specific intended use and assumes all responsibility arising from its use.

Our technical and commercial support network guarantees prompt assistance and is available to provide clarification and guidance regarding the use and application of Licata S.p.A products.

Rif. Scheda: 280/18.2

