

MULTI-PURPOSE CONCRETE PATCH AND SKIMCOAT

TECHNICAL DATA SHEET



Description

High performance mortar for patching, repairing and leveling various substrates before installing the top flooring. Formulated with special high-tech hydraulic cements, **FloorPatch PRO** offers high adhesion on various substrates such as old or new concrete, cementitious terrazo, construction wood, ceramic, porcelain, water-insoluble adhesive residues, etc. Applied in a very thin layer (featheredge) with a trowel, the thickness must be no more than 1/2" thick for interior areas, and must only be applied in a thin coat for exterior areas. **FloorPatch PRO** is fast drying and can be placed under a moisture control system

Features:

- Easy to apply, "creamy" consistency, does not contain sand
- Fast drying and high early compressive strength
- High humidity resistance
- Smooth finish for a perfect flooring installation
- It is not necessary to use a primer on most substrates except gypsum and epoxies

Suitable to be covered with:

- Ceramic floors
- Porcelain floors
- Wood flooring
- Carpet
- PVC flooring
- And more

Not to be used as top wear surface

Appropriate substrates:

- Old and new concrete
- Cementitious terrazo
- Construction wood
- Ceramic
- Porcelain
- VCT
- And more

Not to be used on unstable substrates such as chipboard, cushion vinyl floors, etc.

Do not use to fill expansion and control joints

Substrate preparation

In all cases, **FloorPatch PRO** must be applied to clean, solid and stable substrates free of dust, oil, grease, paint, curing agents, wax or any other element that could prevent proper adhesion. Do not apply to substrates with excessive moisture or negative hydrostatic pressure, joints or cracks, which will have to be treated and/or repaired if necessary

OVER CONCRETE:

The slab, mezzanine or surface must be at least 28 days old or have reached its full strength. If necessary, use mechanical options (roughing, sand-blasting, etc.) to remove the damaged surface's concrete layer or to create a suitable anchor profile (refer to the **CSP Concrete Surface Profile** guide). Sanding or applying chemicals is not considered an appropriate method.

OVER GYPSUM:

Our product can be installed on gypsum substrates which must be firm, solid and contain no humidity. If necessary, the gypsum substrate will have to be mechanically prepared with a suitable system (roughing, sand-blasting, etc.). Sanding or applying chemical products is not considered an appropriate method. In all cases, the application of a suitable adhesion primer will be required.

OVER CONSTRUCTION WOOD:

Wood substrates must be firm and rigid, and loose planks fixed and repaired before use of product. In case of a presence of varnish, paint, oil or grease residues, they must be removed and vacuumed beforehand to avoid residual dust.

FOR OTHER SUBSTRATES:

Please contact our technical team.

Improper surface preparation invalidates the warranty

**Fast drying
High-tech**

FloorPatch™ PRO has a **zero VOC (Volatile Organic Compounds)** content which contributes to improving the quality of the environment and to reducing the amount of pollution the product creates, it is odorless and contains not harmful or irritating compounds for humans.

Product mix

For a 44 lb bag, add 8.4 quartz of clean, fresh water. First, pour the water into a container and gradually add the powder until you obtain a creamy, homogeneous consistency, free of lumps. It is preferable that you use a suitable electric mixer. **Do not add any extra water to the mix**

For smaller amounts, you can use the following options:



By weight:

Hydrate the powder with 36% of water
(example: for 1lb of powder use 5.52 oz of water).



By volume:

Mix a ratio of 2 parts powder to 1 part water.

Product application

In all cases, the minimum application temperature should not be lower than 10°C (50 ° F) nor higher than 30°C (86 ° F). After the product has been mixed, it should be applied evenly with a metal trowel. Avoid preparing large quantities of product in order to have enough application time and to avoid premature drying out.

Technical data

Color: Light gray or cement gray (depending on the version purchased)

Packaging: 44 lb bag of powdered product

Yields:

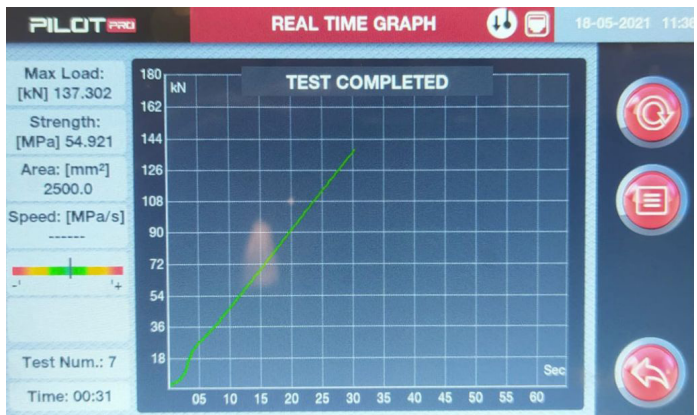
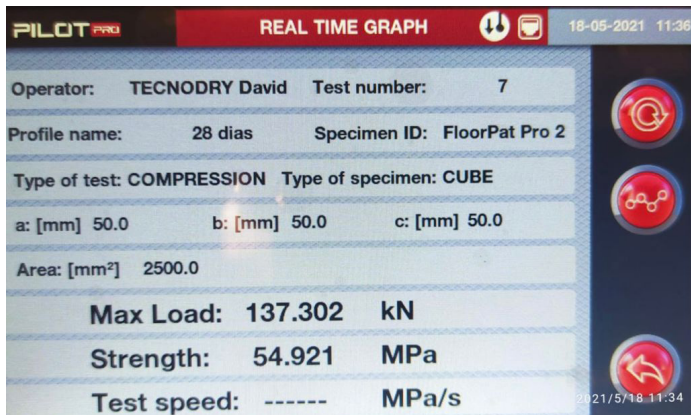
- 50 ft² x bag @ 1/8" thickness*
- 100 ft² x bag @ 1/10" thickness*
- up to 800 ft² x bag ultra thin layer*

** These data shown are for estimation purposes, the actual performance may vary according to different factors such as application method, substrate conditions, thickness applied, etc.*

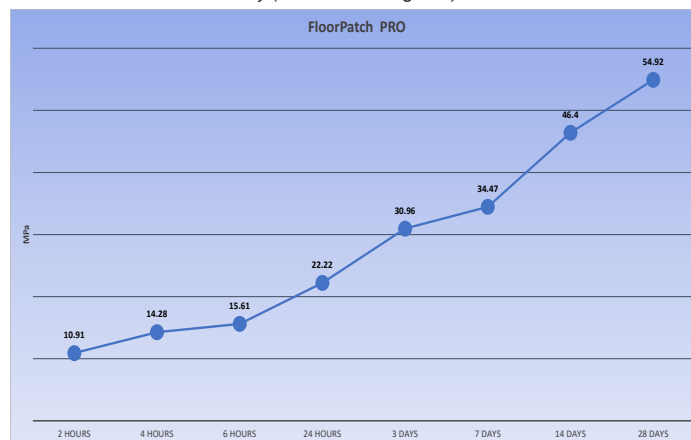
Compressive strength:

- 2 hours 10.91 Mpa (1600 psi)
- 24 hours 22.22 Mpa (≈ 3200 psi)
- 3 days 30.96 Mpa (≈ 4400 psi)
- 28 days 54.92 Mpa (≈ 7800 psi)

IMCYC: Mexican Cement and Concrete Institute
NMX-C-061-ONNCCE-2015



* These screenshots corresponds to internal tests made in our laboratory (1 MPa = 10.2 kg/cm²)



* 1 MPa = 145 PSI



Estimated timing for final flooring installation

Carpet, ceramic, vinyl tile (VCT)	Approx. 60 minutes (thin layer)*
Wood, Epoxy, and Urethane Floors	15 hours*

* Informative data according to laboratory tests in a controlled environment and temperature. Drying times may vary according to working such as thickness, type of substrate, humidity and ambient temperature, etc. It is always recommended to check the substrate moisture with special measurement equipment prior to the installation of the final finish.

For further technical assistance please send an e-mail to: info@self-leveling.us

Storage & Shelf time

Shelf life of up to 12 months as long as it is kept sealed, unopened in its original container in a dry, cool place, protected from sunlight and humidity.

Special care

This product contains additives that do not pollute the environment. It is a non-toxic and organic and degradable. The use of protective equipment such as safety glasses, dust mask and latex gloves is recommended.

Keep out of the reach of children

Warranty

TECNODRY LLC extends the warranty of quality of our products, based on the use of raw materials of the highest quality, ensuring its quality and behavior according to our specifications. **TECNODRY LLC** is not responsible for failures that arise from errors in preparation, installation, finishing or failure of the surface in which it's applied. The information contained in this document has been provided in good faith based on the current knowledge and experience of **TECNODRY LLC**. The information is valid exclusively for applications and uses to which reference is made. The information expressed herein does not exonerate the user from testing products and performances for the desired application and purpose

