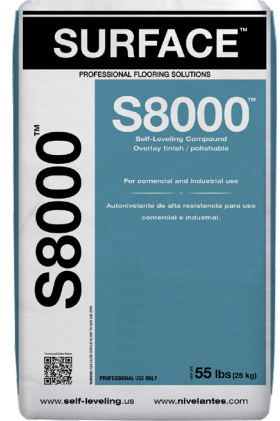


OVERLAY FINISH PC (Polishable Concrete)

High strength fast setting self-leveling mortar for commercial and industrial use

TECHNICAL DATA SHEET



Description:

Very high resistance self-leveling hydraulic mortar for commercial, industrial and institutional applications, **S8000** is excellent for finishing floors due to its high resistance to compression and wear. **S8000** offers a mineral formulation based on special cements and high performance additives that when mixed with water, a self-leveling product free of contraction is obtained for thicknesses from 1/8" to 1 1/2".

Key features:

- Easy to install and excellent fluidity
- Withstand light transit 4 to 6 hours after application (depending on thickness)²
- Fast setting and very high resistance

Use:

For repairs and finishes for different applications such as:

- Industrial production plants
- Textile factories
- Food processors
- Department stores and self-services
- Malls, hotels and minimarkets
- The ideal and economical solution to replace epoxy mortars
- Repair of severely deteriorated floors
- Ideal for final use (overlay) it is also suitable to be covered with all types of finishes (epoxies, urethanes, PVC, paints, etc.)
- **Suitable for vehicular traffic and forklifts with rubber wheels (minimum thickness 1/2"), always consult our technical service in these cases.**
- **The S8000 must always be protected by a final finish (floor, epoxy / urethane seal, anti / stain, shine, etc.) even when it is mechanically polished.**

Color:

Beige or Gray

Packaging:

55 lbs (25 kg) bags of powder

Technical References:

(Laboratory test at 23°C - 73°F)

Physical appearance	Beige or gray powder
Mixing ratio	1.58 gal / 55 lbs
Pot life ¹	≈ 15 minutes
Ready for light transit ²	2 to 4 hours
Drying time for polishing process ²	24 to 48 hours
28 days compressive strength (ASTM C109)	67.80 Mpa (9831 PSI)
28 days flexural strength (ASTM C348)	8.60 Mpa (1247 PSI)

Nominal thickness (in)	Approximate coverage (ft ²)
1/8"	52.9
1/4"	26.4
3/8"	17.6
1/2"	13.2
3/4"	8.8
1"	6.6
1 1/2"	4.4

¹ According to lab tests, may vary according to work conditions.

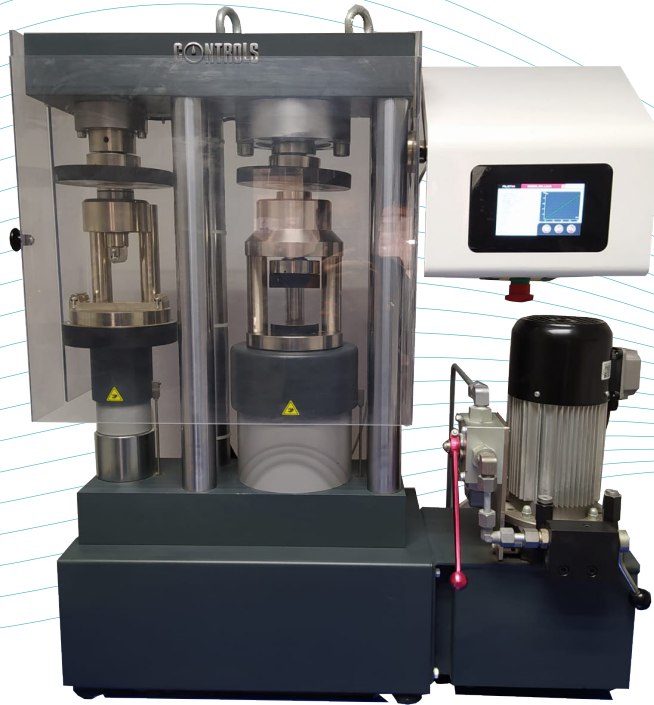
² Depending of leveling thickness and the type of flooring to be installed. The drying times may vary by environmental conditions

S8000 has zero VOC (Volatile Organic Compounds) content which contributes to improving the quality of the environment and reducing the amount of pollutants, it has no odor or compounds that are irritating or harmful to people

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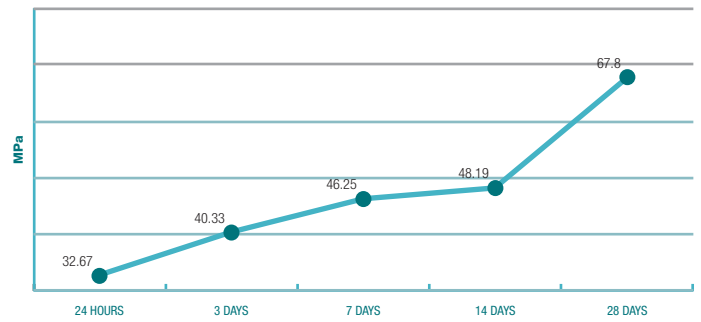
Laboratory test

Compressive / flexural tests made at our laboratory with the **CONTROLS PILOT PRO AUTOMATIC** press of lastest generation



Compressive Test

S8000

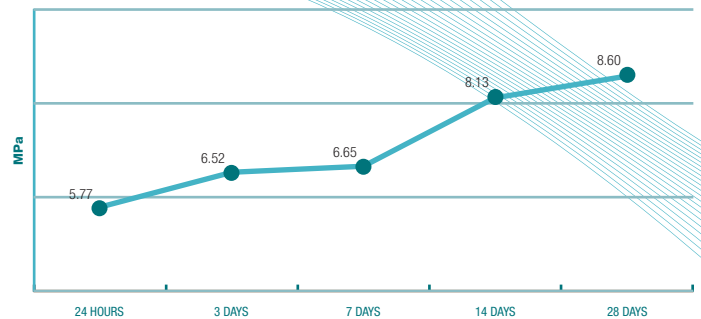


Compressive strenght:

24 hours	32.67 Mpa (4738 PSI)
3 days	40.33 Mpa (5849 PSI)
7 days	46.25 Mpa (6707 PSI)
14 days	48.19 Mpa (6989 PSI)
28 days	67.80 Mpa (9831 PSI)

Flexural Test

S8000



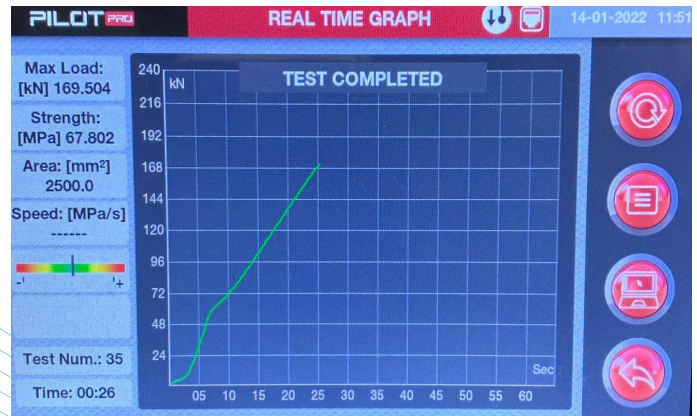
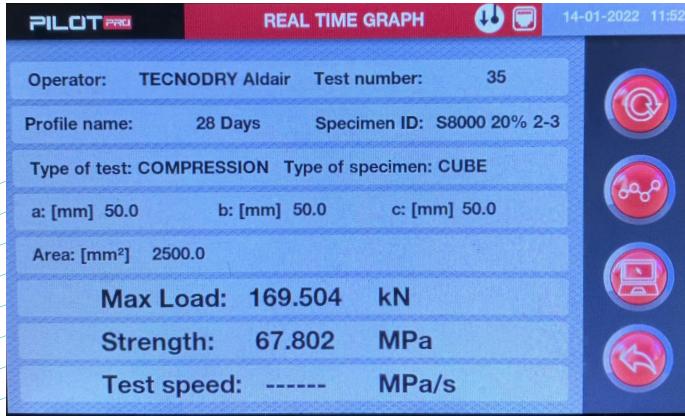
Flexural strenght:

24 hours	5.77 Mpa (836 PSI)
3 days	6.52 Mpa (945 PSI)
7 days	6.65 Mpa (964 PSI)
14 days	8.13 Mpa (1179 PSI)
28 days	8.60 Mpa (1247 PSI)

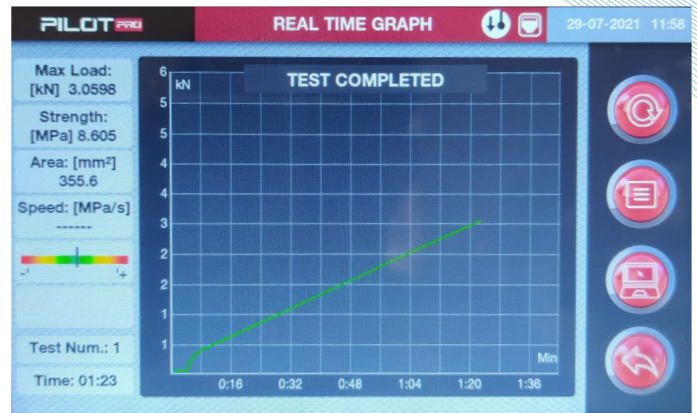
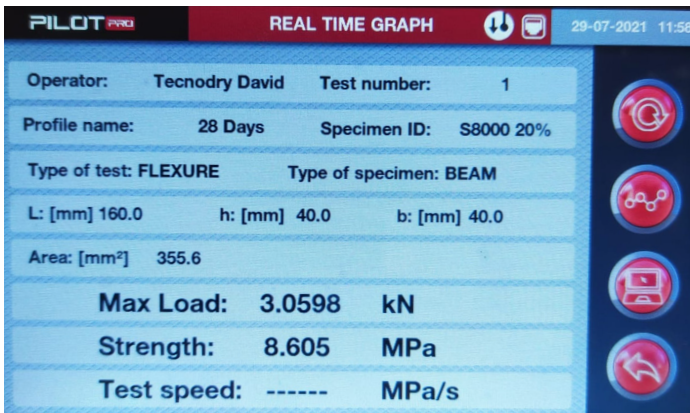


* These screenshots correspond to internal tests made in our laboratory (1 MPa = 145 PSI)

Compressive strenght



Flexural strenght



Substrate preparation:

The slab, mezzanine or surface to be leveled must be at least 28 days old or have reached its full strength and must be free of moisture (it is recommended to perform a moisture test with calibrated equipment and by qualified technical personnel).

S8000 is applied on clean, dry surfaces, without fissures, cracks or cavities, which will have to be repaired if necessary. In the event that there are control joints or construction joints, they must be treated appropriately to be able to cover them with **S8000** or by making a cut to it after drying. Do not install on substrates with negative water compression.

Improper substrate preparation invalidates the warranty

In all cases, a special primary sealant must be applied on the existing substrate, epoxy sealants with silica sand irrigation are the most recommended for industrial uses, the application of the sealant must adhere to the indications of the corresponding technical sheets.

Mixing and application:

To achieve the expected results, a correct mixing of the products is necessary, it is recommended to use electric mixers or special pumping equipment.

Mix the contents of the bags homogeneously with potable fresh water (at a temperature between 50 and 68 °F preferably).

Never add more water than indicated, never mix different products

Once the adequate fluidity has been obtained, the self-leveling mixture should be emptied immediately in uniform sections per determined area based on the expected performance and according to the calculated thickness.

Distribute the mixture with a toothed squeegee or special smooth trowel to control the desired thickness, if it is necessary to pass a roller with spikes repeatedly in one direction and the other over the laying of the self-leveling agent in order to eliminate the air stored in the mixture.

Polish the self-leveling before installing the final floor to obtain a perfectly smooth, flawless finish

Warning: absolutely avoid exposure mortar to air flows and direct sunlight during the first 24 hours after application

S8000 is manufactured with selected raw materials but there may be the possibility of color changes depending on manufacturing batches, preparation as well as external elements (quantity and temperature of water, use of pigments, etc.)

Shelf life and storage:

Shelf life up to 9 months when kept sealed in its original packaging in dry, cool place, protected from sunlight and humidity

Special care:

This product contains additives that do not pollute the environment, is not toxic or have organic components that degrade. The use of protective equipment such as safety glasses, dust mask and latex gloves is recommended

Keep out of the reach of children

Limited 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



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