

SURFACE-S4000

Underlayment

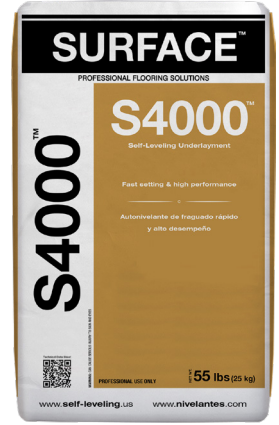
Self-leveling mortar for substrate preparation

www.self-leveling.us

PROFESSIONAL FLOORING SOLUTIONS

TECHNICAL DATA SHEET

thickness
3 - 10 mm



DESCRIPTION

It is a fast setting and accelerated drying self-leveling hydraulic mortar for poorly finished surfaces or those with imperfections that require optimal leveling. **S4000™** offers a mineral formulation based on special cements and high performance additives when mixed with water produces a self-leveling product free of contraction for thicknesses from 3 to 10 mm

KEY FEATURES

- Easy to apply and with excellent fluidity
- Withstands light traffic 4-6 hours after application (depending on thickness)
- Fast setting and high resistance

USE

- To correct uneven or uneven surfaces on concrete floors or mezzanines, slabs, natural stone, terrazzo, ceramic tile, etc.
- To fill voids or differential thicknesses between 3 and 10 mm
- Suitable for the installation of vinyl floors, wood, laminate, carpet, ceramic, etc.

COLOR

Light gray or reddish

PACKAGING

55 lbs (25 kg) bags of powder

TECHNICAL REFERENCES

(Laboratory test at 23°C - 73°F)

Physical appearance	Light gray or reddish powder
Mixing ratio	5.5 a 6.0 lt / 25 kg
Theoretical yield	≈ 5.2m ² at 3 mm thickness per bag
Working time	≈ 25 minutes*
Ready for light transit in 3 mm	4 - 6 hours*
Drying time for flooring installation (6 mm)	24 hours**
Drying time for flooring installation (10 mm)	24 - 48 hours**
28 days compression resistance	253 kg/cm ²

* Variable according to the conditions of the work

** Depending of screed thickness and the type of flooring to be installed. The substrate moisture should be verified with special equipment because drying times may vary

S4000™ has zero VOC (Volatile Organic Compounds), no smell or compounds irritating or harmful to people

Revision: 05/Jan/21

SUBSTRATE PREPARATION

The slab, mezzanine or substrate 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)

S4000™ is applied on clean, dry substrates, without fissures, cracks or cavities, which will have to be repaired if necessary.

Improper substrate preparation invalidates the warranty

In a bonded system our special acrylic primer **P-346** must be applied on the substrate, refer to **P-346** technical data sheet. On a porous substrate is recommended to apply 2 layers of primer

MIXING AND APPLICATION

1. To achieve the expected results is necessary to mix correctly, it's recommended to use electric mixers or special pumping equipment
2. Mix the contents of the bags homogeneously with potable fresh water
3. Once the adequate fluidity has been reached, the self-leveling mixture should be poured immediately in uniform sections by determined area according to the expected yield and according to the calculated thickness

Distribute the mixture with a serrated squeegee or special smoother to control the desired thickness, if it's necessary to repeatedly pass a roller in either direction on the self-leveling lining in order to eliminate the air stored in the mixture

In case of control joints or construction joints existence, these must be respected, avoiding coating them with **S4000™** or making a cut to it after drying

To place the final coating or finish, **S4000™** will have to dry as indicated in the following table:

Thickness	Drying time
3 mm	24 hr*
10 mm	24 a 48 hr*

** It depends on the conditions of the place of installation, the humidity of the substrate must be verified with measurement equipment since drying times may vary*

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

SHELF LIFE AND STORAGE

Shelf life up to 12 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

