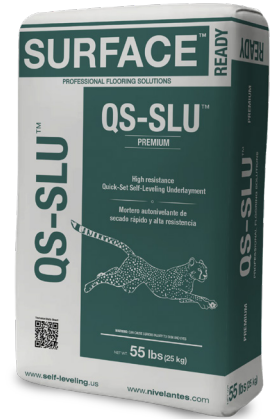




High resistance Quick-Set Self-Leveling Underlayment

## TECHNICAL DATA SHEET

Just add water and ready



### Description:

High resistance Quick-Set Self-Leveling Underlayment for badly finished or with imperfections that require leveling in thick thicknesses

**QS-SLU™** offers a mineral formulation based on special cements and high performance admixtures, when mixed with water produces a self-leveling compound free of shrinkage for thicknesses from 1/16" to 1.5" (1.5 mm to 38 mm)

### Key features:

- Easy to install and excellent fluidity
- Withstand light transit 2 to 3 hours after application
- Fast setting and high resistance

### Uses:

- Recommended for industrial, commercial and residential areas. For existing uneven and / or damaged substrate of concrete floors, slabs, natural stone, terrazzo, ceramic tile, etc
- Can be applied in bonded, non-bonded and floated systems
- To fill voids or differential thicknesses between 1/16" to 1.5" (1.5 mm to 38 mm)
- Suitable for the installation of vinyl floors, wood, laminate, carpet, ceramic, epoxy systems, urethanes, etc
- **Optimal for vehicular traffic and forklifts with rubber wheels (minimum thickness 1/2")**
- **QS-SLU™ must always be protected by a final finish (floor, epoxy/urethane seal, anti/stain, shine, etc.) even when mechanically polished.**

### Color:

Light grey\*\*

### Packaging:

55 lbs (25 kg) bags of powder

### Technical references:

(Laboratory test at 23°C - 73°F)

Physical appearance	Light grey powder
Water amount per 88 lbs bag	2.11 gal (8 liters)
Ready for light transit	2 to 3 hours <sup>2</sup>
Drying time for flooring installation <sup>2</sup>	48 to 96 hours <sup>3</sup>
28 days compression resistance (ASTM C109)	10000 PSI (710 kg/cm <sup>2</sup> )
28 days flexure resistance (ASTM C348)	1020 PSI (82.00 kg/cm <sup>2</sup> )

<sup>1</sup> According to laboratory tests and may vary depending on site conditions

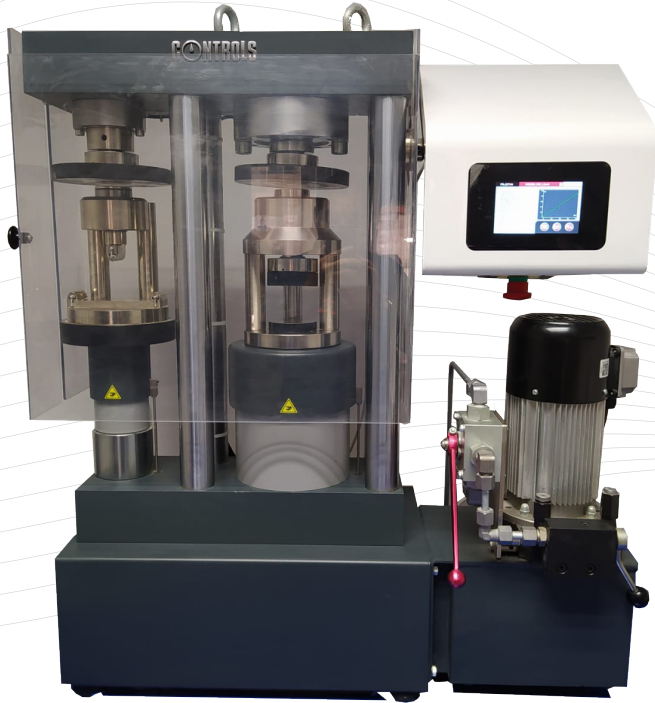
<sup>2</sup> Depending on the thickness of the leveling and the type of flooring to be installed. The moisture content of the substrate should be verified with measuring equipment, as drying times may vary

**QS-SLU™ has zero VOC (Volatile Organic Compounds) no smell or compounds irritating or harmful to people.**

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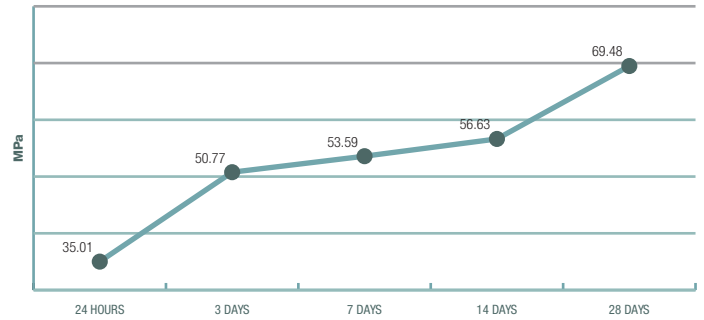
# Laboratory Tests

Tests carried out in our laboratory with the latest generation **CONTROLS PILOT PRO AUTOMATIC** compression / bending press



## Compressive Test

SL-QS ready

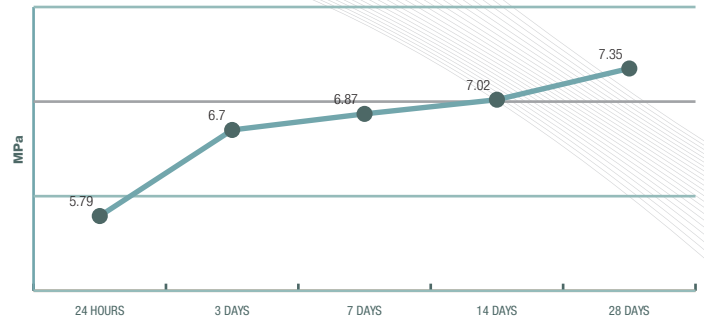


### Compression strenght:

24 hours	35.01 Mpa (≈ 5078 PSI)
3 days	50.77 Mpa (≈ 7364 PSI)
7 days	53.59 Mpa (≈ 7773 PSI)
14 days	56.63 Mpa (≈ 8214 PSI)
28 days	69.48 Mpa (≈ 10077 PSI)

## Flexural Test

SL-QS ready



### Flexure strenght:

24 hours	5.79 Mpa (≈ 840 PSI)
3 days	6.70 Mpa (≈ 972 PSI)
7 days	6.87 Mpa (≈ 996 PSI)
14 days	7.02 Mpa (≈ 1018 PSI)
28 days	7.35 Mpa (≈ 1066 PSI)

**CONTROLS**

**PILOT PRU**

\* These screenshots correspond to internal tests done in our laboratory (1 MPa = 10.2 kg/cm²)

## Compression strength



## Flexure strength



**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 measurements with calibrated equipment and by qualified technical personnel)

**QS-SLU™** is applied on clean and dry substrate, without shrinkage, cracks or gaps, which will have to be repaired if needed

If there are control joints or construction joints, these should be treated appropriately to be able to cover them with **QS-SLU™**  
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:**

The levels should be measured with a laser or special equipment

The right product mixing is needed to achieve the expected results; it's recommended to use a special mixer or pump equipment

Mix the contents of the bags evenly with clean, fresh water (preferably at a temperature between 50 and 68°F). **Never add more water than indicated, never mix our products with other**

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

Extend the mixture with a squeegee or special trowel to control the correct thickness. Use a "leveling float" repeatedly in one and other way to avoid the air stored in the mixture

**Very important: Absolutely avoid mortar be exposed to air currents and direct rays of the sun during the first 24 hours after application.**

**Shelf life and storage:**

It has a shelf life of up to 12 months as long as it is sealed in its original bagging in a dry, cool place, protected from sunlight and moisture.

**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** 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** 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**. 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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