

# Self Leveling Underlayment SLU

## Mortero Autonivelante

*Cement Based Floor Underlayment*



### PRODUCT DESCRIPTION:

Self-Leveling Mortar is a poured-in-place cement based non-structural floor underlayment that self-levels and cures to create a flat, hard surface on interior floors before installation of any covering. It is used to level floors, correct horizontal surface defects, or as a follow-up to rough-screed projects. Typical applications include commercial, industrial, and residential projects on new construction or restoration over concrete flatwork, nonmoving wood floors, flooring with cutback resin, and other firm porous and nonporous surfaces.

### ADVANTAGES:

With our unique mix design, strict Quality Assurance tests and processes, Self-Leveling Underlayment Mortar offers the following advantages:

Self-levels for smooth, easy installations / high fluidity and ready to pour, reducing Installation time / Remains workable for more than 30 minutes with minor agitation / Not gypsum based / Single component – requires only the correct amount of water / Rapid curing-ready for service in 24 hours

### MULTIPLE USES:

Levels rough concrete surfaces / Under tiles, carpeting, and hardwood floors / Commercial and Residential structures / Office Complexes / Over Cast-in-Place and precast floors / Where quick turnaround is needed

### SURFACE PREPARATION:

All surfaces must be sound and non-moving. Before installation, the following must be completely removed; all dirt, oil, grease, carpet adhesives, asphalt, paint, curing membranes, latex compounds or other loose material and contaminants. Concrete surfaces must be fully cured a minimum of 28 days. The surface of hard-troweled or burnished concrete must be opened by mechanical abrasion. Concrete should not be acid etched, since the acid weakens the surface and reduces the bond of the primer to the concrete. Failure to remove all contaminants and coatings that impede the bond of the primer to the surface of the sub-floor will cause loss of adherence and reduced durability. Do not use Self-Leveling Mortar on painted, sealed or polished surfaces. Contact the Manufacturer for specific application instructions.

### MIXING INSTRUCTIONS:

1. Add the Self Leveling Mortar to the water (not water to material). Mix a 50 lbs. bag of the product with 2.76 L (.73 gal) 3qts. of potable water.
2. Mix with high-shearing action for at least 3 minutes, until a smooth, fluid, uniform and lump-free consistency is reached.
3. Additional water must not be added during mixing. The presence of whitish lather on the surface indicates over watering. If this happens, discard the batch and reduce waters lightly in the next batch. Excessive water will cause segregation.
4. Pour the product over the primed substrate to \ desired thickness. Thickness shall be at least 1/8”(3mm) and not greater than 4” (101.6 mm).

### PLACING:

It is recommended that placing should be in lanes 15 feet in width formed using foam tape or another suitable forming material. Place in a continuous operation by pouring the mix back and forth within the width of the formed area. It is important that this be done continuously to achieve proper merging of the material. DO NOT exceed 10-15 minutes in placing material. Crew, equipment, and material should be of such a size to continuously place in 10-15 minutes. Do not allow contact with water during the first 24 hours of curing. After 24 hours, shrinkage hairline cracks can develop, but these are not structural failures; rather, they are inherent characteristics of the material. Application of Self Leveling Mortar can be made more efficient and easier by using self-leveling type pumps. Contact the Manufacturer Technical Service Department for recommendation.

## TECHNICAL DATA

Physical State	Powder
Color	Gray, Beige
Shelf Life	1 year in original bag, in dry covered place.
Working Time at 72°F	30-35 minutes
Time before installation off floor covering	Until surfaces completely dry (48 hours)
Mixing Ratio	2.76 L (.73 gal) 3qts. of water for each 50lbs bag
Density	Approx. 137 lbs/ft <sup>3</sup>

## COMPRESSIVE STRENGTH:

**ASTM C-109**  
**ASTM C1708**

1 day	1000 psi (6,9 MPa)
7 days	4000 psi (27,6 MPa)
28 days	7000 psi (48,26 MPa)

## APPROXIMATE COVERAGE PER THICKNESS FOR A 50 LBS BAG:

1/8" (3,2 mm)	40 sq. ft (3,71 m <sup>2</sup> )
1/4" (6,3 mm)	20 sq. ft (1,86 m <sup>2</sup> )
1/2" (12,7 mm)	10 sq. ft (0,9 m <sup>2</sup> )