

TAMMS SLU

PUMPABLE, SINGLE COMPONENT, SELF-LEVELING, CEMENTITIOUS UNDERLAYMENT

DESCRIPTION

TAMMS SLU is a proprietary formulation of blended portland cements, finely processed aggregates with chemical additives designed for use as an underlayment for leveling floors and to provide a sound surface for floor coverings.

PRIMARY APPLICATIONS

- Repair, fill and level surfaces
- Interior use over properly prepared concrete, wood, plywood and other rigid substrates

FEATURES/BENEFITS

- Self leveling
- Yields a smooth, level and hard surface
- Floor coverings can be applied after 72 hours
- Properties similar to concrete
- Pump or pour application

TECHNICAL INFORMATION

Material Properties at 75°F (24°C)

Final set time hrs ASTM C 191	3 to 4
Compressive strength ASTM C 109	
1 days.....	1,500 (10.3)
3 days.....	2,440 (16.8)
7 days.....	3,800 (26.2)
28 days.....	4,440 (30.6)
Flexural strength psi (MPa) ASTM C 78	
7 days.....	450 (3.1)
28 days.....	675 (4.6)

Tensile strength psi (MPa) ASTM C 190

7 days.....	400 (2.8)
28 days.....	680 (4.7)

Flammability ASTM E 84

Flame Spread.....	0
Fuel Contribution.....	0
Smoke Development	0

Values presented are typical and not necessarily referenced to create specifications.

PACKAGING

TAMMS SLU is packaged in 50 lb (22.7 kg) polylined bags.

SHELF LIFE

1 year in original, unopened package.

COVERAGE/YIELD

One 50 lb (22.7 kg) bag yields approximately 0.42 ft³ (.011m³).

DIRECTIONS FOR USE

Surface Preparation: Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Mechanically abrade the surface to a minimum depth of 1/4" (6.4 mm) to achieve a surface profile equal to CSP 3 - 5 in accordance with ICRI Guideline 03732. Properly clean profiled area. Wood surfaces must be fully clean, braced and secure to provide a stable, non-flexible surface. Secure metal lath to wood as an artificial key. **Priming:** Concrete and wood must be primed using a spray or brush coat of TAMMSWELD. Concrete surfaces prepared after the removal of cutback adhesives and non-porous surfaces may be primed with DURAPRIME 50 (water-based epoxy). A test patch to verify adhesion should be installed and approved.

Mixing: Mix TAMMS SLU in a clean rotary mixer equipped with rubber tipped blades. With the mixer running, add 8 to 9 parts (2.37 to 4.26 L) of potable water and slowly add the 50 lb (22.7 kg) bag of TAMMS SLU. Mix approximately one minute, long enough to provide a smooth, lump free, flowable blend similar to pancake batter. If a foam appears the TAMMS SLU is overwatered and should not be placed. For pours at depths greater than one inch, TAMMS SLU may be extended with clean, sand free, damp pea gravel.



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Mix the TAMMS SLU first and then add the pea gravel to the mixed material. Reduce the water if the aggregate is damp. The addition of aggregate will reduce flowability. Mix small quantities of TAMMS SLU in a clean container using a slow speed motor and “Jiffy” mixer. Clean mixer thoroughly after each batch.

Application: Pump or pour TAMMS SLU on to the primed surface. Move and level with an underlayment spreader. TAMMS SLU will achieve initial set in 1 to 2 hours and may receive foot traffic after 48 hours. Protect the surface from direct sunlight and high winds to prevent drying cracking. If fills greater than one inch are required, TAMMS SLU may be placed in multiple lifts up to 1” (25 mm) in thickness. Each lift may be applied as soon as the substrate will support foot traffic.

Cold Weather Application: Do not apply at temperatures below 40°F (4°C). Heating the substrate, using warm water for mixing and tenting or insulating after application will assist in reaching higher strength development.

CLEAN-UP

To prevent buildup clean application tools and mixer with water immediately after use.

PRECAUTIONS/LIMITATIONS

- Store in protected, dry storage.
- Do not featheredge, overwork, re-temper or overtrawl.
- Minimum placement depth 1/4” (6.4 mm).
- Do not add any admixtures to TAMMS SLU.
- Do not apply at temperatures below 40°F (4°C).
- In all cases, consult the Material Safety Data Sheet before use.

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