

Description:

SL-T is a cement based, high strength, self leveling wear surface that provides a level, smooth, durable topping ready for foot traffic within 2 - 3 hours. SL-T can be installed from 1/4" up to 5" in one smooth flowing operation and can be coated within 24 hours.

Purpose / Use:

SL-T is designed for resurfacing and leveling indoor concrete, such as warehouse floors, utility areas, hallways, etc. Anywhere a new, smooth and durable concrete surface is needed, SL-T is the answer.

Advantages:

- No troweling required
- Ideal for pumping and barrel mixing applications
- Rapid early strength gain - 2000 psi in just 4 hours
- Very fluid, ideal for pouring and pumping
- Maintains workability for 30 minutes at 70°F
- Not a gypsum based product - Water resistant
- Does not contain any protein additives
- Available in Concrete Grey or White

Compressive Strength (ASTM C 109):

4 Hours	2000 psi	13.8 MPa
1 Day	3000 psi	20.7 MPa
7 Days	5000 psi	34.5 MPa
28 Days	7000 psi	48.3 MPa

Flexural Strength (ASTM C 348):

28 Days	1290 psi	8.9 MPa
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Tensile Strength (ASTM C 190):

28 Days	500 psi	3.4 MPa
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Setting Time (ASTM C 191):

Working Time	30+ Minutes
Final Set	2 Hours

Flammability: (ASTM E84):

Flame Spread: -0-
Fuel Contribution: -0-
Smoke Development: -0-

Approximate Coverage:

25 sq. ft. per bag at 1/4"
12 sq. ft. per bag at 1/2"

Application Temperature Range:

50°F – 95°F

Mixing Ratio:

4.0 quarts to a maximum 4.5 quarts per 50 lbs bag.

Density:

Approximately 120 - 125 lbs per cu. ft.

Substrate Preparation:

SL-T should not be installed over gypsum, latex patches, as-

phalt, coal tar, and lightweight insulating concrete.

Concrete Floors: Surface must be solid, completely clean, free of oil, wax, grease, sealers, curing compounds, asphalt, paint, dirt, loose surface material and any contaminate that will act as a bond-breaker. Weak concrete surfaces must be cleaned down to solid sound concrete by mechanical means. Acid etching or chemical cleaning is not acceptable. Joints in the substrate must be reflected through the applied underlayment.

Important: All cracks in new and old concrete should be repaired to inhibit their ability to reflect or telegraph up into the surface of a bonded topping or underlayment. However, it is still possible that some cracks will reflect into the surface. In most cases, these are small, hairline cracks do not pose a threat to the performance of the underlayment, topping or floor covering to be installed.

Priming:

Concrete: All substrates must be clean and dry before primer is applied. Sub-floor temperature must be at least 50°F. For best results two coats of primer should be applied. Apply the first coat of Primer diluted with 3 parts water, let completely dry and install a second application of primer mixed 1:1 with water. Primer must be applied evenly with a nylon push broom with exploded tips. Do Not use paint rollers, mops, or spray equipment. Apply a thin primer layer leaving no bare spots, puddles or excess primer. Allow to dry to a clear, thin film (usually 3 hours, but less than 24 hours).

Important: SL-T must be applied within 48 hours of priming to insure that a good bond is achieved between primer and substrate.

Mixing and Installation:

Important: To insure installation success, be sure to test a small area for compatibility, bond strength and performance.

Note: Before application, close all doors, windows and protect from direct sunlight. These variables can cause uneven curing patterns.

Note: CMP also recommends setting up a "mixing station" where all product mixing takes place. Dusting usually occurs in the area where the product is mixed and could have a negative affect on the products bond to the substrate. Limiting the area's where mixing occurs can assure that the floor will be kept clean and "Bond-Breaker" free.

Manual Installation:

Mix 2-bags of SL-T at a time. For each bag add 4.0 to a maximum 4.5 quarts of clean potable water into a mixing drum. Then add the SL-T bags, while mixing at full speed with a paddle mixer attached to a heavy duty 1/2" drill (min. 650rpm). Mix completely for a minimum of 2-3 minutes until lump free.

Pour the blended SL-T on the floor and disperse With the CMP-GR-1 gauge rake, followed by smoothing the material with the CMP-SP-1 smoother. Level Finish SL-T will maintain its workability and leveling properties for 25 minutes.

Pumping Applications:

Please contact CMP Specialty Products, Inc for instructions on recommended pumping procedures and equipment.

Health and Safety:

Refer to the MSDS before using this product.

Thickness:

Level Finish SL-T can be extended and installed up to 5" thick. Please contact CMP's technical service department regarding job specific extension procedures

Wear Surfaces:

The finished layer of Level Finish SL-T needs to be protected from oil, salt water and regular surface wear until protected by a sealer or suitable coating.

Area's that will receive a heavier traffic pattern, it is recommended to use an epoxy coating. The flooring installer is responsible for the suitability of the epoxy floor coating.

Any water-borne sealer, under normal circumstances, can be applied within 2-4 hours after installation is complete. Variations in room temperature and substrate temperature may extend the time of sealer application.

Note: Level Finish SL-T is NOT recommended for heavy duty industrial applications where a customized flooring material is required.

Curing:

Level Finish SL-T is self curing self leveling wear surface. Do not use damp curing methods or curing and sealing compounds. Level Finish SL-T is walk-able within 2 – 3 hours after installation is completed.

Protect Level Finish SL-T from excessive heat conditions during its initial curing stage. Turn off all forced ventilation and radiant heat systems for the first 24 hours

Level Finish SL-T hardens within 2 – 3 hours and is ready to accept stains, sealers or coatings in as little as 24 hours. Sealers and coatings protect surface contaminants and optimize surface integrity.

Sealers:

CMP recommends using CMP-1000 as a topical treatment and sealer over Level Finish SL-T. CMP-1000 is a unique, clear, epoxy modified protective breathable concrete sealer. Refer to the CMP-1000 datasheet for specifications and application instructions.

Application Tools:

- CMP-MD-1 Mixing Drum
- CMP MP-1 Mixing Paddle
- CMP GR-1 Depth Gage Spreader
- CMP SP-1 Surface Smoother
- ½" Heavy Duty Drill

Clean Up:

Use water to clean all tools prior to material hardening.

Packaging:

50 lbs. bags / 50 bags per pallet / 2500 lbs per pallet

Storage:

Always keep in cool/dry place unexposed to sunlight.

Shelf Life:

12 months from the manufactured date.