

Description:

DT is a Cement based, high strength, fast setting, self leveling, stainable topping that provides a level, smooth, durable topping ready for foot traffic within 2 - 3 hours. DT can be installed from ¼" up to 5" in one smooth flowing operation. DT can be coated within 24 hours after installation.

Purpose / Use:

DT is used for decorative indoor flooring, offering the ability to incorporate integral colors and unique surface treatments to create dramatic designs. Level Finish SL-T's cured surface accepts virtually any acid-based, acrylic-based or colloidal-based stains and a wide variety of sealers as well as epoxy or urethane coatings.

Typical Uses:

- Warehouses
- Light Manufacturing Area's
- TV Studio's
- Schools
- Utility Rooms
- Retail Area's / Malls
- Hospitals
- Restaurants

Advantages:

- No troweling required
- Rapid early strength gain - 2000 psi in just 4 hours
- Very fluid, ideal for pouring and pumping
- Non-shrink - no dusting
- 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):

1 Day	3000 psi	20.7 MPa
7 Days	5000 psi	34.5 MPa
28 Days	6100 psi	42.1 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
Initial Set	1.5 Hours
Final Set	2 Hours

Flammability: (ASTM E84):

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

Approximate Coverage:

25 sq. ft. per bag at ¼"
 12 sq. ft. per bag at ½"

Application Temperature Range:

50°F – 95°F

Mixing Ratio:

5.5 quarts to a maximum 6.0 quarts per 50 lbs bag.

Density:

Approximately 120 - 125 lbs per cu. ft.

Substrate Preparation:

Do not use DT over coal, tar or asphalt waterproofing systems.

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, dry and primed before DT is applied. Sub-floor temperature must be at least 50°F. One Gallon of LF Primer mixed with one gallon of clean potable water will cover approximately 350 – 400 sq. ft. of floor area. Do Not use paint rollers, mops, or spray equipment. Apply the first coat of LF 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. Allow to dry to a clear, thin film (usually 3 hours, but less than 24 hours).

Mixing and Installation:

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

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.

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

Mix 2-bags of DT at a time. For each bag add 5.5 to a maximum 6.0 quarts of clean potable water into a mixing drum. Then add the DT bags, while mixing at full speed with a paddle mixer attached to a heavy duty ½" drill. Mix jlkjklk

completely for a minimum of 2-3 minutes until lump free.

12 months from the manufactured date .

Pour the blended DT on the floor and disperse with the CMP-GR-1 gauge rake, followed by smoothing the material with the CMP-SP-1 smoother. Cleated shoes must be worn to avoid leaving marks. DT 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.

Thickness:

DT can be installed from 1/4" up to 1 1/2" neat and up to 5" properly extended. Please contact CMP's technical service department regarding job specific extension procedures.

Wear Surfaces:

The finished layer of DT 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 DT with 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.

Curing:

DT is self curing self leveling wear surface. Do not use damp curing methods or curing and sealing compounds. DT is walkable within 2 – 3 hours after installation is completed.

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

DT hardens within 2 – 3 hours and is ready to accept stains, sealers or coatings in as little as 24 hours. Sealers and coatings such protect surface contaminants and optimize surface integrity.

Sealers:

CMP recommends using CMP-1000 as a topical treatment and sealer over DT. 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
- 1/2" Heavy Duty Drill

Clean Up:

Use water to clean all tools prior to material hardening.

Packaging:

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

Storage:

Always keep in cool/dry place unexposed to sunlight.

Shelf Life: