

SUPER FLO-TOP

CEMENTITIOUS, SELF-LEVELING UNDERLAYMENT & LIGHT-DUTY WEARING SURFACE

DESCRIPTION

SUPER FLO-TOP is a single-component, cement based, free-flowing, self-leveling compound specially designed for easy application over concrete floors as an underlayment for subsequent placement of floor coverings. It is suitable for use as a repair and leveling course and may be applied at thicknesses from featheredge to 1" (25 mm) neat. SUPER FLO-TOP may be used as a light-duty (foot traffic only) wearing surface, when protected by a Euclid Chemical epoxy/urethane system.

PRIMARY APPLICATIONS

- Leveling interior or exterior (see precautions/limitations) sound concrete surfaces
- Leveling wood subfloors
- Repair of old, worn concrete
- Old floors with cut back adhesive
- Light duty wearing surface

FEATURES/BENEFITS

- Fluid consistency for self-leveling applications
- Pumpable through standard equipment
- Self-leveling for smooth, flat floors
- Minimal shrinkage and outstanding resistance to cracking
- High early strength for early turnaround
- Excellent bond strength
- Excellent self-healing properties
- Extended open time

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions:

Compressive Strength ASTM C109 2" (50 mm) cubes

Age	Strength
4 hours	1,300 psi (9 MPa)
24 hours	2,200 psi (15 MPa)
7 days	3,000 psi (21 MPa)
28 days	3,500 psi (24 MPa)
56 days	4,000 psi (27 MPa)

Bond Strength ASTM C 1583

Age	Strength
7 days	250 psi (1.7 MPa)
28 days	280 psi (1.9 MPa)

Unit Weight..... approx. 118 lb/ft³ (1890 kg/m³)

Final Set Time ASTM C 191 1 to 1.5 hrs

Appearance: SUPER FLO-TOP is a free-flowing powder designed to be mixed with water, then it dries to a light gray finish.

PACKAGING/YIELD

SUPER FLO-TOP is packaged in 50 lb (22.7 kg) bags that yield approximately 0.52 ft³ (0.015 m³) of material.

SHELF LIFE

2 years in original, unopened package

COVERAGE

Coverage is approximately 25 ft² (2.3 m²) at a 1/4" (6 mm) thickness



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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 achieve a surface profile equal to CSP 3 - 5 in accordance with ICRI Guideline 310.2. Properly clean profiled area.

Priming: Concrete should be primed with a spray or brush coat of TAMMSWELD. Allow TAMMSWELD to fully dry prior to the application of SUPER FLO-TOP.

Mixing: All materials should be in the proper temperature range of 60°F (16°C) to 90°F (32°C). Single bags of SUPER FLO-TOP may be mixed in a pail with a drill and "jiffy" mixer. Larger projects are best placed with standard grouting or underlayment equipment. Add the appropriate amount of water, 6.0 to 6.5 qt (5.7 to 6.2 L) per bag and then add the dry product. Do not use water at a rate that will cause bleeding or segregation. **UNDER NO CIRCUMSTANCES USE MORE THAN 6.5 QT (6.2 L) OF WATER PER 50 LB (22.7 KG) BAG.** Mix a minimum of 3 minutes. If bucket mixed, the product should be quickly transported to the repair area and placed immediately.

Application: For applications over 1" (25.4 mm) in thickness, add 20 to 25 lb (9.1 to 11.3 kg) of 3/8" (9.5mm) pea gravel to extend the initial layer. Placement options include screeding or the use of pre-placed aggregate. Apply a bond coat to the surface of the initial layer and place additional underlayment to achieve the final smooth surface.

Placement: The product must be continuously placed to provide a smooth and uniform surface. Start in one corner placing a continuous stream of material along one edge of the area and back lap as soon as possible for a uniform, smooth surface. Tools such as spiked rollers, notched squeegees, trowels and smoothers may be used to assist placement.

Finishing: This product is self-leveling and requires no finishing or troweling operation.

Curing: (See Precautions/Limitations) SUPER FLO-TOP does not require curing with standard methods for most applications. Under hot, windy or rapid drying conditions, the use of EUCOBAR is recommended after

CLEAN-UP

Clean tools and equipment with water before the material hardens.

PRECAUTIONS/LIMITATIONS

- Do not use SUPER FLO-TOP as a heavy-duty wearing surface for industrial floors.
- If used as a light-duty wearing surface, the use of a Euclid Chemical clear epoxy topcoat is recommended for added wear resistance.
- SUPER FLO-TOP is not to be used in areas of constant water exposure or in areas exposed to permanent or intermittent substrate moisture, for this could jeopardize the performance of the underlayment and floor covering.
- SUPER FLO-TOP is not a vapor barrier and will allow free passage of moisture.
- Do not add admixtures or calcium chloride.
- Do not use if ambient temperatures that will fall below 40°F (4°C) within 72 hours after placement.
- Do not allow freshly placed SUPER FLO-TOP to freeze for 7 days.
- Contact and rely upon floor covering manufacturer for specific requirements regarding maximum moisture content, adhesive selection and intended end use of the product prior to application of floor coverings.
- Store in a dry place.
- Not for use in freeze-thaw environments.
- If placing SUPER FLO-TOP over a wood floor, it is very important to secure the floor solidly to prevent all movement.
- In all cases, consult the Material Safety Data Sheet before use.

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