



SUPER FLO-TOP

CEMENTITIOUS, SELF-LEVELING UNDERLAYMENT

EUCLID CHEMICAL

PACKAGING

50 lb (22.7 kg) bag
Code: 089D 50

APPROXIMATE YIELD

50 lb (22.7 kg) unit: 0.52 ft³ (0.015 m³)
per unit when mixed with 6.5 qt (6.2 L)
of potable water.

MINIMUM/MAXIMUM APPLICATION THICKNESS

Neat: Featheredge to 1 inch (2.5 cm)

CLEAN UP

Clean tools and equipment with water
before the material hardens.

SHELF LIFE

9 months in original, unopened package

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.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Fluid consistency for self-leveling applications
- Pumpable through standard equipment
- Self-leveling for smooth, flat floors
- High early strength for early turnaround
- Excellent bond strength
- Excellent self-healing properties

PRIMARY APPLICATIONS

- Leveling interior or exterior (see precautions/limitations) sound concrete surfaces
- Leveling wood subfloors
- Over radiant heat systems
- Light duty wearing surface

APPEARANCE

SUPER FLO-TOP is a free-flowing powder designed to be mixed with water that dries to a light gray finish.

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Test Method	Test Property	Values
ASTM C109	Compressive 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)
ASTM C1583	Bond Strength	7 days 250 psi (1.7 MPa) 28 days 280 psi (1.9 MPa)
	Unit Weight	approximately 118 lb/ft ³ (1,890 kg/m ³)
ASTM C191	Set Time	Final. 1 to 1.5 hours

The following coverage rates are approximations based on yield of a 50 lb unit mixed at standard consistency.

Application Thickness (inches)	1/16	1/8	1/4	3/8	1/2	3/4	1
Coverage Area per Unit (ft ²)	99.6	49.9	24.9	16.6	12.4	8.3	6.2

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: For the best adhesion to the concrete, use EUCOFLOOR EPOXY PRIMER seeded with sand as the prime coat. Refer to the EUCOFLOOR EPOXY PRIMER technical data sheet for instructions. Alternatively, concrete can be primed with a spray or brush coat of TAMMSWELD or EUCOWELD 2.0. Refer to the appropriate technical data sheets for usage instructions for the selected primer.

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. If placing over radiant heat systems, ensure the system is off and cool prior to installation. Place SUPER FLO-TOP as described above and allow to fully cure prior to turning the system on.

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 placement.

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.
- When necessary, follow the recommendations in ACI 305R "Guide to Hot Weather Concreting" or ACI 306R "Guide to Cold Weather Concreting".
- 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 to prevent all movement.
- In all cases, consult the Safety Data Sheet before use.

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