



THE EUCLID CHEMICAL COMPANY

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SUPER FLO-TOP

ONE PART SELF-LEVELING UNDERLAYMENT

SUPER FLO-TOP is a portland 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). **SUPER FLO-TOP** is a one part system requiring only the addition of water for mixing.

PRIMARY APPLICATIONS

- Interior or exterior* (see precautions/limitations) sound concrete surfaces
- Unlevel floors
- Repair of old, worn concrete
- Old floors with cut back adhesive
- Light duty wearing surface

FEATURES/BENEFITS

- Flowable consistency for self-leveling application
- Pumpable through standard equipment
- Self-leveling for smooth, flat floors
- Minimal shrinkage for outstanding resistance to cracking
- High early strength for early turnaround
- Excellent bond strength for a composite floor section
- Excellent self-healing properties
- Extended open time

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

Yield and coverage will vary depending upon the amount of water mixed with the **SUPER FLO-TOP**. Typical water requirement is 6.5 quarts (6.2 liter) of water per 50 lb (22.7 kg) bag, with a maximum water requirement of no more than 7 quarts (6.6 liter) of water per bag. Do not use water at a rate that will cause bleeding or segregation.

TECHNICAL INFORMATION

Typical Engineering Data

The following information was developed under laboratory conditions.

Compressive Strength

ASTM C-109 2" (50 mm) cubes

Age	Strength
4 hours	1,300 psi (9 MPa)
24 hours	2,600 psi (18 MPa)
7 days	4,400 psi (30 MPa)
28 days	5,000 psi (34 MPa)

Bond Strength: ASTM C-1042

Age	Strength
7 days	700 psi (5 MPa)
14 days	1,000 psi (7 MPa)

Unit Weight: 118 lb/ft³ (1890 kg/m³)

Set Times: ASTM C-191 @ 70°F (21°C)
1 to 1.5 hours

Appearance

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

Shelf Life: 2 years in original, unopened package.

DIRECTIONS FOR USE

Surface Preparation-New concrete must be a minimum of 3 days old and must be broom textured at the time of placement to secure a good mechanical bond for the underlayment.

Concrete must be clean with all oil, dirt, debris, curing compounds, sealers, paint and unsound concrete removed.

Acid etching is acceptable **only** when mechanical preparation is impractical. It is recommended that only contractors experienced in the acid etching process use this means of surface preparation. The salts of the reaction must be thoroughly pressure washed away. Allow the concrete to completely dry.

All concrete must possess an open surface texture with all curing compounds and sealers removed.

Bonding-After the surface has been prepared, prime all areas with EUCO WELD or a FLEX-CON/cement slurry coat application. Follow mixing and placing instructions on the corresponding technical data sheet. Bonding agent must be ordered separately.

Mixing-All materials should be in the proper temperature range of 60°F (16°C) - 90°F (32°C). Small quantities of SUPER FLO-TOP may be bucket mixed with a drill and "jiffy" mixer. Larger projects are best mixed and placed with standard grouting or underlayment equipment. Add the appropriate amount of water for the batch size and then add the dry product. Do not use water at a rate that will cause bleeding or segregation. Typical water requirement is 6.5 quarts (6.2 liter)/50 lb (22.7 kg) bag. Do not add more than 7 quarts (6.6 liter)/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 20-25 lb (9.1-11.3 kg) of 1/8" - 3/8" (3.2 - 9.5 mm) aggregate 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-SUPER FLO-TOP does not require standard concrete curing methods for most applications. Under hot, windy or rapid drying conditions, a fog spray or wet cure for 3 hours is recommended after final set of material.

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.
- Do not add admixtures or calcium chloride.
- Do not use at ambient temperatures that will fall below 40°F (4°C) within 72 hours.
- Do not allow 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.



Super Flo Top-3.04

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