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FLO-TOP

ONE PART SELF-LEVELING UNDERLAYMENT

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

PRIMARY APPLICATIONS

- Interior sound concrete sub-surface
- Unlevel floors
- Repair of old, worn concrete
- Wood floors
- Old floors with cut back adhesive

FEATURES/BENEFITS

- Flowable consistency for self-leveling application
- Pumpable through standard equipment
- Self-leveling for smooth, flat floors
- Exceptional coverage rate for maximum yield and value
- Minimal shrinkage for outstanding resistance to cracking
- High early strength for early turnaround
- Excellent bond strength for a composite floor section

PACKAGING/YIELD

FLO-TOP is packaged in 50 lb (22.7 kg) bags that yield approximately 0.51 ft³ (0.014 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 FLO-TOP. The product must not be mixed at a consistency which promotes bleeding and segregation. Under no circumstances add more than 7 quarts (6.6 liter) of water per 50 lb (22.7 kg) bag.

TECHNICAL INFORMATION

Typical Engineering Data

The following information was developed under laboratory conditions.

Compressive Strength ASTM C-109

2" (50 mm) cubes

<u>Age</u>	<u>Strength</u>
2 hours	1,500 psi (10 MPa)
24 hours	2,300 psi (16 MPa)
3 days	2,800 psi (19 MPa)
7 days	3,600 psi (25 MPa)
28 days	5,000 psi (34 MPa)

Bond Strength ASTM C-1042

<u>Age</u>	<u>Strength</u>
7 days	700 psi (5 MPa)
14 days	1,000 psi (7 MPa)

Unit Weight: 115 lb/ft³ (1842 kg/m³)

Set Times ASTM C-191 @ 70°F (21°C)

Initial:	45 mins
Final:	70 mins

Appearance

FLO-TOP provides a light gray floor surface when cured and dried.

Shelf life is 1 year 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 sealer removed.

Bonding-After the surface has been prepared, prime all areas with EUCO WELD or FLEX-CON. Follow mixing and placing instructions on the corresponding technical data sheet.

Primer 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 FLO-TOP may be bucket mixed with a drill and "jiffy" mixer. Larger projects are best 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 grouting techniques. After 24 hours, prime 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-FLO-TOP does not require curing with standard 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

- Designed for interior use
- Do not use for exterior applications or in areas continuously subjected to moisture or water.
- Do not use FLO-TOP as a heavy duty wearing surface for industrial floors.
- Do not add admixtures or calcium chloride.
- Shelf life is one year in original, unopened package.
- For leveling surfaces that will be left exposed, the use of FLO-TOP 90 is preferred.
- 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.
- FLO-TOP must be well cured before application of floor coverings.
- When placing floor coverings over FLO-TOP, adhesives, coatings and sealers should be checked for compatibility.
- Store in a dry place.
- If placing Flo Top over a wood floor, it is very important to secure the floor solidly to prevent all movement.

Form Flo Top-5.01

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