

FLO-TOP

PUMPABLE, SINGLE COMPONENT, SELF-LEVELING UNDERLAYMENT

DESCRIPTION

FLO-TOP is a free flowing, self-leveling, compound specially designed for easy application over concrete and wooden 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
- 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

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions:

Compressive Strength ASTM C 109 2" (50 mm) cubes

Age	Strength
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)

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

Bond Strength ASTM C 1042

Age	Strength
7 days	700 psi (5 MPa)
14 days	1,000 psi (7 MPa)
Unit Weight	115 lb/ft ³ (1842 kg/m ³)
Set Times ASTM C 191 @ 70°F (21°C)	
Initial	45 mins
Final	70 mins

PACKAGING/YIELD

FLO-TOP is packaged in 50 lb (22.7 kg) bags that yield approximately 0.51 ft³ (0.014 m³) of material.

SHELF LIFE

1 year 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. Preparation should be done by mechanical means to achieve a surface profile equal to CSP 3 - 5 in accordance with ICRI Guideline 03732. Properly clean profiled area. **IMPORTANT:** For wood floors, secure metal lath over the floor that has been fully braced and secured so that it is stable - without flexibility. **Priming:** Concrete and wooden floors must be primed with a spray or brush coat of EUCO WELD or TAMMSWELD prior to application of FLO-TOP.

Mixing: All materials should be in the proper temperature range of 60°F (16°C) to 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. Under no circumstances add more than 7 quarts (6.6 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 1/8" to 3/8" (3.2 to 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: (See Precautions/Limitations) 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.

CLEAN-UP

Clean tools and equipment with water before the material hardens.

PRECAUTIONS/LIMITATIONS

- Designed for interior use.
- FLO-TOP is not a vapor barrier and will allow free passage of moisture.
- 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.
- 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.
- 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.
- If placing 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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