

EUCOFLOOR SLU

CEMENTITIOUS, SELF-LEVELING UNDERLAYMENT

DESCRIPTION

EUCOFLOOR SLU 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. EUCOFLOOR SLU may be used as an indoor, 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
- Over radiant heat systems
- Indoor light duty wearing surface (see precautions/limitations)

FEATURES/BENEFITS

- Fluid consistency for ease in application
- 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
- Outstanding self-healing properties

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions when mixed with 6.5 qt (6.2 L) of water:

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

4 hours.....1,000 psi (7 MPa)
24 hours.....2,000 psi (14 MPa)
7 days.....3,000 psi (21 MPa)
28 days.....3,500 psi (24 MPa)

Shrinkage ASTM C 157 (24 hr cure).....-0.040%

Flow Time.....approx. 15 min

Unit Weightapprox. 122 lb/ft³ (1,954 kg/m³)

Set Time ASTM C 191

Initial.....approx. 45 min

Final.....approx. 1 hr

Flexural Strength ASTM C 348

7 days.....550 psi (3.8 MPa)

28 days.....600 psi (4.1 MPa)

PACKAGING/YIELD

EUCOFLOOR SLU is packaged in 50 lb (22.7 kg) bags that yield approximately 0.52 ft³ (0.015 m³) of material.

SHELF LIFE

1 year in original, unopened bag

COVERAGE

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

DIRECTIONS FOR USE

Surface Preparation: Concrete surfaces must be structurally sound, free of loose and 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.



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Priming: Concrete shall be primed with a spray or brush coat of TAMMSWELD. Allow TAMMSWELD to fully dry prior to the application of EUCOFLOOR SLU (see TAMMSWELD technical data sheet).

Mixing: All materials should be in the proper temperature range of 60°F (16°C) to 90°F (32°C). Single bags of EUCOFLOOR SLU may be mixed in a pail with a drill and “jiffy” mixer at low speeds to avoid entrapping air into the mixed product. Larger projects are best mixed and placed with standard grouting or self-leveling equipment. Add the correct 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 excessive water, which 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: featheredge to 1” (2.5 cm) neat. 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 EUCOFLOOR SLU 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: EUCOFLOOR SLU does not require curing with standard methods for most applications. Under hot, windy or rapid drying conditions, the use of EUCOBAR is recommended during placement to minimize rapid evaporation and plastic shrinkage.

CLEAN-UP

Clean tools and equipment with water before the material hardens.

PRECAUTIONS/LIMITATIONS

- Do not use EUCOFLOOR SLU as a heavy-duty wearing surface for industrial floors.
- If used as an indoor, light-duty wearing surface, the use of a Euclid Chemical clear epoxy topcoat is recommended for added wear resistance. EUCOFLOOR 24 is a better option for wearing surfaces.
- EUCOFLOOR SLU 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 EUCOFLOOR SLU 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 EUCOFLOOR SLU 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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