



# LEVEL MAGIC LIGHTWEIGHT

## PUMPABLE SELF-LEVELING UNDERLAYMENT

**EUCLID CHEMICAL**

### PACKAGING

25 lb (11.3 kg) bag  
Code: TR5121625

### APPROXIMATE YIELD

**25 lb (11.3 kg) unit:** 0.42 ft<sup>3</sup> (0.012 m<sup>3</sup>)  
per unit when mixed with 9 pints (4.3 L)  
of potable water.

### MINIMUM/MAXIMUM APPLICATION THICKNESS

Featheredge to 1 inch (2.5 cm)

### CLEAN UP

Clean tools and equipment with water  
before the material hardens.

### SHELF LIFE

1 year in original, unopened package

### DESCRIPTION

LEVEL MAGIC LIGHTWEIGHT is a cement-based, self-leveling, high strength underlayment designed for leveling floors without adding the weight of traditional cementitious leveling products. LEVEL MAGIC LIGHTWEIGHT can be featheredged and has properties similar to that of concrete, but at a much lower load weight. LEVEL MAGIC LIGHTWEIGHT eliminates the need for trowelling. It requires the addition of only potable water to achieve a fluid consistency and produces a smooth, level and hard surface after curing. LEVEL MAGIC LIGHTWEIGHT can be applied in multiple lifts with each lift being no greater than 1" (2.5 cm).

### PRODUCT CHARACTERISTICS

#### FEATURES/BENEFITS

- Can receive floor coverings within 24 hours of installation
- Compatible with commonly used flooring adhesives

#### PRIMARY APPLICATIONS

- Repair, fill, or level surfaces in new construction or restoration
- Underlayment for structures not designed for much additional load prior to installation of floor coverings

### TECHNICAL INFORMATION

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

Test Method	Test Property	Values
ASTM C191	Self-Healing Time	10 to 15 minutes
ASTM C191	Final Set Time	approximately 1 to 3 hours
ASTM C109	Compressive Strength	7 days . . . . . 3,200 psi (22 MPa) 28 days . . . . . 4,000 psi (27 MPa)
	Unit Weight	80 lb/ft <sup>3</sup> (1280 kg/m <sup>3</sup> )
ASTM E84	Flammability	Flame Spread: 0 Fuel Contribution: 0 Smoke Development: 0

The following coverage rates are approximations based on yield of a 25 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 <sup>2</sup> )	80.6	40.3	20.1	13.4	10.0	6.7	5.0

---

## DIRECTIONS FOR USE

**Surface Preparation:** Surface must be dry, structurally sound, clean, free of dust, dirt, wax, oil, grease, mastic, latex compounds, adhesives, paint, gypsum-based products, form releases, curing/sealing compounds and other contaminants. Deeply contaminated substrates must be abraded to a clean and sound surface. Repair large cracks and holes with TAMMSPATCH II or other suitable repair mortar. Porous surfaces should be primed with TAMMSWELD or EUCOWELD 2.0.

Wood Surfaces must be structurally sound and thoroughly cleaned to remove shellac, varnish, paint and other contaminants. Wood floors must be fully braced and nailed to provide a stable, non-flexible surface. Use wire mesh as an artificial key for fills over wood. Apply TAMMSWELD or EUCOWELD 2.0 as a primer to the wood surface.

**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. Wood/plywood surfaces should be primed using TAMMSWELD or EUCOWELD 2.0.

**Mixing:** LEVEL MAGIC LIGHTWEIGHT requires 9 pints (4.3 L) of water per 25 lb (11.3 kg) bag. Use power drill with a “jiffy” type mixer to mix small quantities. For larger applications use a paddle type mortar mixer or a standard concrete mixer.

**Application Techniques:** Pump or hand pour LEVEL MAGIC LIGHTWEIGHT on to primed surface. Move it into approximate position with an underlayment spreader, and allow the material to seek its own level. Place LEVEL MAGIC LIGHTWEIGHT soon after mixing. During cure, protect the surface from direct sunlight and winds to prevent rapid hydration.

---

## PRECAUTIONS/LIMITATIONS

- New concrete must be fully cured for 28 days.
- Joints or cracks in movement must be detailed through the LEVEL MAGIC LIGHTWEIGHT to prevent cracking.
- Do not overwater, overmix, or retemper LEVEL MAGIC LIGHTWEIGHT.
- Do not add cement, lime, gypsum, plaster, bonding agents, or other materials except specified aggregates.
- Clean mixer after each batch to avoid material build up.
- Do not mix or apply LEVEL MAGIC LIGHTWEIGHT when temperatures are below or expected to fall below 40 °F (4 °C) or above 90 °F (32 °C) for at least 24 hours after application.
- Do not apply LEVEL MAGIC LIGHTWEIGHT over frozen or frost filled surfaces.
- Not recommended over particle board, gypsum, asphalt, or very porous surfaces.
- Do not apply LEVEL MAGIC LIGHTWEIGHT over very warm surfaces such as radiant heated floors or over boiler rooms.
- Test applications are recommended.
- In all cases, consult the Safety Data Sheet before use.

Rev. 06.22

---

**WARRANTY:** The Euclid Chemical Company (“Euclid”) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid’s installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid’s products for the Buyer’s intended purposes.