LEVEL MAGIC LIGHTWEIGHT
Pumpable Self-Leveling Underlayment

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).

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

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

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

<table>
<thead>
<tr>
<th>PHYSICAL PROPERTY</th>
<th>TEST METHOD</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-Healing Time</td>
<td>ASTM C 191</td>
<td>10 to 15 minutes</td>
</tr>
<tr>
<td>Final Set Time</td>
<td>ASTM C 191</td>
<td>approx. 1 to 3 hours</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>ASTM C 109</td>
<td>7 days: 3,200 psi (22 MPa) 28 days: 4,000 psi (27 MPa)</td>
</tr>
<tr>
<td>Unit Weight</td>
<td>-</td>
<td>80 lb/ft³ (1280 kg/m³)</td>
</tr>
<tr>
<td>Flammability</td>
<td>ASTM E 84</td>
<td>Flame Spread: 0  Fuel Contribution: 0  Smoke Development: 0</td>
</tr>
</tbody>
</table>

PACKAGING
LEVEL MAGIC LIGHTWEIGHT is packaged in 25 lb (11.3 kg) polylined bags

SHELF LIFE
1 year in original, unopened package

COVERAGE/YIELD
One 25 lb (11.3 kg) bag of LEVEL MAGIC LIGHTWEIGHT will yield approximately 0.42 ft³ (0.012 m³) of mixed material.
**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.

**Clean-Up**

Clean mixing and application equipment with water immediately following use. Remove splatter or spills with water before material sets. LEVEL MAGIC LIGHTWEIGHT contains cementitious materials, and if allowed to dry, removal becomes extremely difficult.

**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.