THE FASTER, COST-EFFECTIVE FLOOR LEVELING SYSTEM

Backed by our nationwide network of experienced applicators and a strict quality assurance program, Level-Right® is the right solution to any floor leveling problem. Best of all, Level-Right helps you save time and money while creating a floor that more than stands up to specification.

A “Green” Building Material
Level-Right® Self-Leveling Floor Underlayment is a specially formulated, high-strength, cementitious underlayment that can handle any floor leveling challenge — without shotblasting or scarifying.

Level-Right is poured over precast or cast-in-place concrete, terrazzo, ceramic, quarry, marble tile, old vinyl tile, and tile adhesives — providing a level, smooth surface. Hand troweling and hand finishing are unnecessary. Level-Right accepts practically any floor covering.

With Level-Right there’s no extensive curing time. Ceramic tile can be thin set within 2 to 4 hours. Other floor goods can be installed once Level-Right passes a moisture test.

Level-Right’s Unique Features

- Pre-blended mix of high strength cements and special additives
- Water resistant
- Pours over concrete and old floor goods and adhesives
- Ideal for large projects or small repair jobs
- No special prepping, removal of old floor goods, or hand finishing required
- Sets fast, can be walked on within two to four hours
- Compressive strengths up to 5500 psi (37,895 kPa)
- Can be featheredged
- Tested at the manufacturing plant and the job site to meet our stringent quality assurance requirements
- Contains recycled materials
- Extremely low VOC emissions.

Ceramic tile installers can get the job done fast with Level-Right’s smooth, hard surface.
Limitations:

1. Do not pour Level-Right where the floor temperature is less than 50°F (10 °C) or greater than 100°F (37.7 °C).

2. Protect the poured mortar from wind and sun, and from freezing temperatures for the first 72 hours.

3. The concrete subfloor must be structurally sound and able to withstand live and dead loads with a deflection limitation of L360.

4. Level-Right is for interior use only; it is not a wearing surface.

5. Level-Right will not structurally bridge over expansion joints, saw cuts or structural cracks. They should be allowed to continue through the Level-Right. The architect or structural engineer must specify expansion joints and show their location in areas that will receive hard surfaces such as ceramic or marble tile, and hardwood flooring.

6. Concrete moisture or vapor emission must be eliminated by others prior to a Maxxon underlayment application for below grade, on grade or suspended slabs.

Level-Right® UL Design Numbers

| J917 | J966 | L005 | L210 | L505 | L512 | L519 | L527 | L534 | L541 | L548 | L557 | L571 |
| J919 | J991 | L006 | L211 | L506 | L513 | L520 | L528 | L535 | L542 | L549 | L558 | L573 |
| J920 | J994 | L201 | L212 | L507 | L514 | L522 | L529 | L536 | L543 | L551 | L559 | L574 |
| J924 | K906 | L202 | L501 | L508 | L515 | L523 | L530 | L537 | L544 | L552 | L560 | L579 |
| J927 | L001 | L206 | L502 | L509 | L516 | L524 | L531 | L538 | L545 | L553 | L562 |
| J931 | L003 | L208 | L503 | L510 | L517 | L525 | L532 | L539 | L546 | L555 | L563 |
| J957 | L004 | L209 | L504 | L511 | L518 | L526 | L533 | L540 | L547 | L556 | L564 |

Level-Right® Technical Data

- **Function:** Interior underlayement for concrete or wood subfloors, not a wearing surface
- **Installation Depths:** From 0" – 3" (0 – 76 mm). For deeper pours contact Maxxon Corporation.
- **Dry Density:** Approx. 125 lbs./ft³ (2003 kg/m³)
- **Compressive Strengths:**
  - Typical: 3000 psi (20.6 MPa) (3 days)
  - 4500 psi (31 MPa) (7 days)
  - 5500 psi (38 MPa) (28 days)
- **Flexural Strength:** 1260 psi (8.7 MPa) (28 day) (ASTM C348)
- **Tensile Strength:** 720 psi (5 MPa) (28 day) (ASTM C190)
- **Surface Burning Characteristics:** Flame spread – 0, Fuel Contribution – 0, Smoke Development – 0 (ASTM E 84)
- **ICBO Listed:** ICC-ES Legacy Report #3433
- **Greenguard Standard:** Meets the standard for low emitting products

**LEED Credit Areas As Impacted by Flooring Underlayments**

<table>
<thead>
<tr>
<th>Project</th>
<th>Category</th>
<th>Credit</th>
<th>Number of Points Attainable</th>
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<td>Low Emitting Materials</td>
<td>EQ 4.1*</td>
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<tr>
<td>Materials &amp; Resources</td>
<td>Recycled Content</td>
<td>MR 4.1*</td>
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<tr>
<td></td>
<td>Recycled Content</td>
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<td></td>
<td>Local/Regional Materials</td>
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<tr>
<td></td>
<td>Local/Reg. Materials</td>
<td>MR 5.2*</td>
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</tr>
</tbody>
</table>

LEED is a rating system for new construction and major renovations. Level-Right cementitious underlayment is designed to meet stringent criteria required to earn points. The LEED point system is about “contribution”; no single product can add “points”, but single products contribute to meeting overall percentage criteria as defined by LEEDS.
SECTION 03540
Self-Leveling Concrete Floor Underlayment

Recommended Specification for Level-Right® Cementitious Self-Leveling Floor Underlayment

PART 1 GENERAL

1.01 SUMMARY
A. This is the recommended specification for Level-Right Cementitious Self-Leveling Floor Underlayment.

1.02 SECTION INCLUDES
A. Level-Right Cementitious Self-Leveling Floor Underlayment
B. Maxxon Floor Primer
C. Maxxon Overspray

1.03 QUALITY ASSURANCE
A. Installer's Qualifications: Installation of Level-Right shall be by an applicator authorized by the Maxxon Corporation using Maxxon approved mixing and pumping equipment.

1.04 DELIVERY, STORAGE AND HANDLING
A. General Requirements: Materials shall be delivered in their original, unopened packages, and protected from exposure to the elements. Damaged or deteriorated materials shall be removed from the premises.

1.05 SITE CONDITIONS
A. Environmental Requirements: Before, during and after installation of Level-Right, building interior shall be enclosed and maintained at a temperature above 40 degrees F (4.4 degrees C) and below 100 degrees F (37.7 degrees C) until structure and subfloor temperature are stabilized.

PART 2 PRODUCTS

2.01 MATERIALS
A. Cementitious Self-Leveling Poured Floor Underlayment: Floor underlayment compound shall be Level-Right Self-Leveling Floor Underlayment as manufactured by Maxxon Corporation, Hamel, MN.
B. Sand Aggregate: Sand shall be 1/8 inch (3 mm) or less, washed masonry or plaster sand, meeting requirements of Maxxon Corporation Sand Specification 101.
C. Mix Water: Potable, free from impurities.
D. Subfloor Primer: Maxxon Floor Primer
E. Sealer: Maxxon Overspray

2.02 MIX DESIGNS
A. General Requirements: Level-Right mix proportions and methods shall be in strict accordance with product manufacturer recommendations.

PART 3 EXECUTION

3.01 PREPARATION
A. Condition and Cleaning of Subfloor: Subfloor shall be structurally sound. General Contractor shall clean subfloor to remove mud, oil, grease, and other contaminating factors before arrival of the Level-Right underlayment crew.
B. Leak Prevention: Fill cracks and voids with a quick setting patching or caulking material where leakage of Level-Right could occur.
C. Priming Subfloor: Prime concrete subfloor using the Maxxon Floor Primer. Priming instructions vary according to the porosity of the concrete, multiple coats may be necessary.
D. Expansion Joints: Allow joints to continue through the Level-Right at the same width.

3.02 APPLICATION OF SELF-LEVELING FLOORING
A. Scheduling: Application of Level-Right shall not begin until the building is enclosed, including roof, windows, doors, and other fenestration. Install after dry-wall installation unless tenant finish requirements identify partitioning after the pour.
B. Application: Place Level-Right from 3” (76 mm) to featheredge. Spread and float Level-Right to a smooth surface. Except at authorized joints, place Level-Right as continuously as possible until application is complete so that no Level-Right slurry is placed against Level-Right product that has obtained its initial set.

C. Drying: General Contractor shall provide continuous ventilation and adequate heat. With Level-Right there's no extensive curing time. Ceramic tile can be thin set within 2 to 4 hours. Other floor goods can be installed once Level-Right passes a moisture test.

3.03 PREPARATION FOR INSTALLATION OF GLUE DOWN FLOOR GOODS
A. Sealing: Seal all areas that receive glue down floor goods according to the Maxxon Corporation’s specifications. Any floor areas where the surface has been damaged shall be cleaned and sealed regardless of floor covering to be used. Use Maxxon Overspray to seal the Level-Right prior to installation of glue down floor goods. Where floor goods manufacturers require special adhesive or installation systems, their requirements supersede these recommendations.
B. Floor Goods Procedures: See the Maxxon Corporation’s “Procedures for Attaching Finished Floor Goods to Maxxon Underlayments” brochure for guidelines for installing finished floor goods. This procedure is not a warranty and is to be used as a guideline only. It is the responsibility of the floor goods installer to determine the compatibility of their product with a particular floor underlayment.

3.04 FIELD QUALITY CONTROL
A. Slump Test: Level-Right mix shall be tested for slump as it’s being pumped using a 2 inch by 4 inch (50 mm by 101 mm) cylinder resulting in a patty size of 9-1/2 inches (241 mm) plus or minus 1 inch (25 mm) diameter.
B. Field Samples: At least one set of 3 molded cube samples shall be taken from each day’s pour during the Level-Right application. Cubes shall be tested as recommended by the Maxxon Corporation in accordance with modified ASTM C 109. Test results shall be available to architect and/or contractor upon request from applicator.

3.05 PROTECTION
A. Protection From Heavy Loads: During construction, place temporary wood planking over Level-Right wherever it will be subject to heavy wheeled or concentrated loads.

END OF SECTION
For customized CSI specs for all Level-Right applications, see www.Level-Right.com.

For more information:
1-800-356-7887
E-mail: info@level-right.com
www.Level-Right.com

Another superior product from
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