

LEVEL-RIGHT®

SELF-LEVELING FLOOR UNDERLAYMENT

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.

LEVEL-RIGHT®
Self-Leveling Floor Underlayment

**A “Green”
Building
Material**



LEVEL-RIGHT

SELF-LEVELING FLOOR UNDERLAYMENT

The Rock-Solid Solution to Problem Floors.

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.

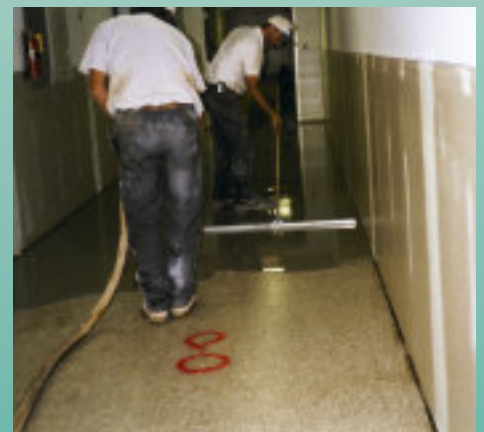
Level-Right's Unique Features

- 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.



Eastern Carolina University Student Recreation Center, Greenville, North Carolina



Level-Right over VAT



Level-Right makes this old, rough, pitted concrete floor smooth and level.

Product Support:

Additional product literature, CSI formatted specifications and information are available upon request. For special applications contact Maxxon® Corporation.

Testing: Field testing must be performed in accordance with modified ASTM C109 using 2" by 2" (50mm x 50mm) cube molds. Before independent sampling, contact the Maxxon Quality Assurance Department to ensure that proper procedures are followed.

Warranty: Maxxon Corporation warrants Level-Right to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the Level-Right ingredients or from the manufacturing process itself.

This warranty does not include labor costs and other costs or expenses associated with the removal or installation of Level-Right. Because Maxxon Corporation does not perform the actual Level-Right installation, it cannot be held responsible for the results of the application. Maxxon Corporation specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations and liabilities on Maxxon Corporation's part. Maxxon Corporation neither assumes nor authorizes any person to assume for Maxxon Corporation any liability in connection with the sale and installation of Level-Right Self-Leveling Floor Underlayment.

Preparation:

Concrete subfloors must be fully cured, moisture free and have no efflorescence. The substrate surface shall be clean, dust and contaminant free. Cracks should be filled with a crack filler or an elastomeric compound. Plumbing or electrical penetrations should be packed with insulation and sealed. No air movement, windows must be closed and no direct sunlight.

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 underlayment 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: (Modified ASTM C109)	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

Project	Category	Credit	Number of Points Attainable
Indoor Environmental Quality	Low Emitting Materials	EQ 4.1*	1
Materials & Resources	Recycled Content	MR 4.1*	1
	Recycled Content	MR 4.2*	1
	Local/Regional Materials	MR 5.1*	1
	Local/Reg. Materials	MR 5.2*	1

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

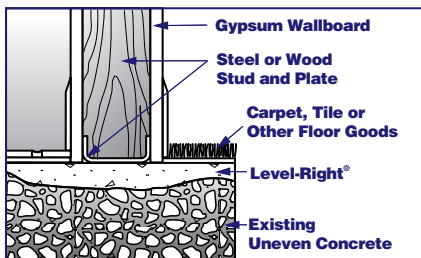
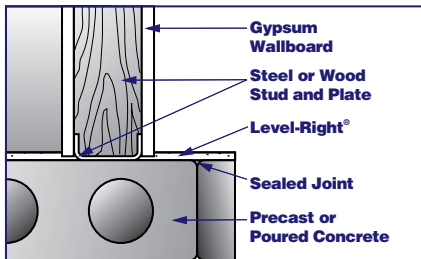
A. Installer's Qualifications: Installation of Level-Right shall be by an applicator authorized by the Maxxon Corporation using Maxxon approved mixing and pumping equipment.

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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1-763-478-9600

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