

Product and Supplier Names

Maxxon® Level EZ®
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Product Description/Use

Maxxon® Level EZ is engineered for leveling, smoothing and repairing interior gypsum and concrete substrates prior to the installation of finished floor coverings. Level EZ provides a durable, flat, smooth floor surface with minimum labor and installation time. When mixed with water, it seeks its own level to produce a smooth, flat hard surface.

FEATURES:

- No mechanical preparation required for pedestrian traffic and light commercial applications. Just clean, prime and pour!
- Can be walked on in as little as 4 hours
- Can be installed from 1/4" (6 mm)

Level EZ is a polymer modified, self-leveling cementitious underlayment.

Packaging

Product Number 12655
Package Type bag
Package Size 50 lb (22.68 kg) bag

Technical Data

Physical properties: The values stated are applicable with ambient temperatures of 73 °F (23 °C) and 50% RH. Higher temperatures shorten the processing time, lower temperatures extend the processing time.

Compressive Strength Per ASTM C109M
..... 24 hrs: 1250 psi (8.6 MPa)
..... 7 day: 2700 psi (18.6 MPa)
..... 28 day: 4500 psi (31.0 MPa)

Flexural Strength Per ASTM C348
..... 28 day: 1000 psi (6.9 MPa)
Weight.....at 1/2" (13 mm)..... less than 5.3 lbs/f² (25.9 kg/m²)
Density.....120 pcf (1,922 kg/m³)

Technical Properties: Suggested
application temperature range 50-95 °F (10-35 °C)
Working Time..... 15-18 minutes
Ready for foot traffic..... 4 hours

Yield

Thickness	Yield
1/4" (6 mm).....	21.0 ft ² (1.93 m ²)
1/2" (13 mm).....	10.5 ft ² (0.98 m ²)
1" (25 mm).....	5.25 ft ² (0.48 m ²)

Installation

TOOLS NEEDED: Mixing Drum (15 gallon), 1 gallon measuring tool, high-speed mixing drill (850 rpm), Jiffy (preferred) or egg-beater mixing paddle, gauge rake, smoother/spreader, nonmetallic cleated shoes, 6"x6" welded wire mesh (installations over plywood subfloor)

PREP: All subfloors must be structurally sound, broom cleaned and contaminant free. All subfloors must be dry and a minimum of 50 °F (10 °C). Temperatures must be maintained within this range for at least 72 hours (up to the total specified dry time) after the installation of Level EZ.

After properly preparing the substrate Maxxon strongly recommends Anhydrous Calcium Chloride: testing as per ASTM F 1869-16 on slabs to be treated, to determine the MVER (moisture vapor emission rate) per ASTM standards. Alternately determine RH content (%) as per ASTM F 2170. Note: MVER fluctuates within slab areas and can have significant seasonal variations (i.e. in Nov./Dec. 6 lbs and in July/August 16 lbs or more). When using Level EZ as an underlayment with other finished floor systems (such as resilient, VCT and ceramic), always follow manufacturer's recommendations regarding maximum allowable MVER and RH content prior to installation. In cases where MVER and RH exceed allowable levels, Maxxon recommends installation of a Maxxon MVP moisture-reduction barrier.

All expansion and control joints should be properly repaired prior to the installation of Level EZ. Joints should be cleaned and sealed using industry standard products such as backer rod or cork.

All adhesive residue must be tested to make certain it is not water-soluble. Water-soluble adhesives must be removed mechanically down to clean concrete. Non-water-soluble adhesives must be scraped to a thin, well-bonded residual as recommended by the Resilient Floor Covering Institute (www.rfci.com) to remove thick areas and adhesive build-up. If adhesive residue is not well-bonded to the concrete or is brittle, powdery or otherwise weak, it must be completely removed by mechanical means down to clean, sound, solid concrete.

PRIMING: Prime all substrates with a Maxxon approved primer, such as Maxxon Fortify Primer or Maxxon Multi-Use Acrylic. Refer to relevant technical datasheet for proper application instructions.

LEVEL EZ

Technical Data Sheet

April 2021

Note: Low substrate temperature and/or high humidity will result in longer drying times for primers.

MIXING: Mix 4.5 – 5.5 qts of water per 50 lb bag of Level EZ.

Combine Level EZ powder and water using a high-speed mixer (850 rpm) with a "Jiffy" mixing paddle. In a 15 gallon mixing barrel, a typical mix consists of two bags of Level EZ with the correct amount of water per bag*. Mix to a homogenous, lump-free consistency for approximately 2.5 minutes. Do not over mix. Over mixing can cause air entrainment, which can shorten workability time and/or cause pinholing during application and curing.

*Water should be added to mixing container first, then mix in powder.

INSTALLATION OVER EXISTING CONCRETE OR GYPSUM:

Pour from mixing bucket directly onto primed floor. Immediately after placing Level EZ, spread the material using a suitable gauge rake to assist in achieving the desired depth. Apply enough material to adequately cover all high points with a minimum of 1/4" (6 mm) of material. Follow with a suitable smoother to deaerate the Level EZ.

INSTALLATION OVER MOISTURE MITIGATION PRODUCTS:

Prime subfloor over Moisture Mitigation product, then follow instructions for over existing concrete or gypsum.

OVER WOOD SUBFLOOR (NEW OR EXISTING UNDER ALREADY REMOVED DAMAGED GYPSUM):

Place and fasten 6"x6" welded wire mesh to wood subfloor. Prime subfloor with Maxxon Fortify Primer per manufacturer requirements. Pour Level EZ from mixing bucket onto primed subfloor. Immediately after placing Level EZ, spread material using a suitable gauge rake to assist in achieving the desired depth. Apply material to a minimum depth of 3/4". Follow with a suitable smoother to deaerate the Level EZ.

Drying

Level EZ is self-drying; do not wet cure or use curing or sealing compounds. To facilitate drying, ensure rooms where Level EZ is installed have air circulation without introducing heavy drafts across the floor. Temperature and humidity impact drying time, therefore the use of a moisture meter is recommended to verify readiness for flooring. Multiple areas should be surveyed to ensure dryness throughout. Use of a Delmhorst G-79 and a reading of 5% moisture content or lower, or a GE® Protimeter moisture meter such as the Surveymaster® or Aquant®. In the RF (Radio Frequency) mode a reading of 180 or lower indicates suitable dryness for any floor covering.

DRY TIME REQUIREMENTS BEFORE FLOOR COVERINGS:

Breathable Flooring Systems

Up to 1"	16 hours
1"-2"	48 hours

Non-Breathable/Impervious Flooring Systems

Up to 1/2"	24 hours
1/2" - 1"	48 hours
1" - 2"	48 hours plus 36 hours for each additional 1/2"

Storage and Disposal

Store up to 6 months in original sealed packaging in a cool, dry environment. Protect from humidity and water. Storage temperatures 50-122 °F (10-50 °C). Do not store with oxidizing and acidic materials.

Dispose of contents/container in accordance with applicable regulations.

Warranty, Availability and Technical Services

See our website for complete warranty information. Technical performance verification and service is available through Maxxon Corporation or Maxxon Regional Representative throughout North America.