

SELF-LEVELING CEMENTITIOUS TOPPING
 GYPSUM CEMENTITIOUS UNDERLAYMENT
 RECOMMENDED SPECIFICATION FOR LEVEL-RIGHT WEARTOP OVER MAXXON
 GYPSUM UNDERLAYMENT

PART 1 GENERAL

1.01 SUMMARY

- A. This is the recommended specification for Level-Right WearTop over a Maxxon Underlayment.

1.02 SECTION INCLUDES

- A. Level-Right WearTop Cementitious Self-Leveling Floor Topping

USGBC LEED Credit Areas Impacted by Level-Right WearTop

USGBC LEED	Credit	Category	How Requirement is Fulfilled
Materials & Resources	MR 2.1-2.2	Construction Waste Management	Recyclable packaging and shipping materials
	MR 5	Local/Regional Materials	Manufactured in West Grove, PA 19390; Job site manufactured with local sand & water

- B. Maxxon gypsum concrete
- C. Maxxon Floor Primer
- D. Maxxon Acrylic Sealer
- E. WearTop Bonder

1.03 QUALITY ASSURANCE

- A. Maxxon Installer's Qualifications: Installation of Maxxon Underlayments 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 Maxxon underlayments, building interior shall be enclosed and maintained at a temperature above 50 degrees F (10 degrees C).

PART 2 PRODUCTS

2.01 MATERIALS

- A. Gypsum Concrete: Floor underlayment gypsum concrete as manufactured by the Maxxon Corporation, Hamel, MN. All others must receive prior approval.
- B. Sand Aggregate: Sand shall be 1/8 inch (3 mm) or less, washed masonry or plaster sand, meeting requirements of Maxxon Corporation Sand Specifications 101.
- C. Mix Water: Potable, free from impurities
- D. Subfloor Primer: Maxxon Floor Primer
- E. Sealer: Maxxon Acrylic Sealer
- F. WearTop Bonder: WearTop Bonder manufactured by Maxxon Corporation, Hamel, MN.

2.02 MIX DESIGNS

- A. General Requirements: 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 the arrival of the Maxxon underlayment crew.
- B. Leak Prevention: Fill cracks and voids with a quick setting patching or caulking material where leakage of underlayment could occur.
- C. Expansion Joints: Allow joints to continue through the underlayment at the same width.

3.02 APPLICATION OF MAXXON UNDERLAYMENT

- A. Scheduling: Application of Maxxon underlayment shall not begin until the building is enclosed, including roof, windows, doors and other fenestration. Install after drywall installation unless tenant finish requirements identify partitioning after the pour. Schedule the Maxxon underlayment system as late as possible in the construction cycle.
- B. Priming: Prime subfloor using the Maxxon Floor Primer to bond the underlayment to the subfloor.
- C. Place gypsum underlayment a minimum 1/2" inch thick over concrete or 3/4" over wood frame. Spread and screed underlayment to a smooth surface.
- D. Drying: General Contractor shall provide continuous ventilation and adequate heat to rapidly remove moisture from the area until the underlayment is dry. General Contractor shall provide mechanical ventilation if necessary.

3.04 PREPARATION FOR INSTALLATION OF LEVEL-RIGHT WEARTOP

- A. Dryness Test: Gypsum underlayment must be tested for dryness prior to the Level-Right WearTop application. Use either a Delmhorst G-79 or B D 2100 moisture meter for gypsum concrete. The moisture reading must be 5% or less. Also a relative humidity meter or probe can be used. The RH should be 60% or less.
- B. Maxxon Acrylic Application: The gypsum underlayment shall be clean and free of construction dirt, dust and contaminants. Apply two coats of Maxxon Acrylic over the underlayment per manufacturer recommendations
- C. WearTop Bonder Application: Apply two coats of Maxxon Bonder per manufacturer recommendations.
- C. Level-Right WearTop Application: Apply the Level-Right WearTop over the WearTop Bonder per manufacturer recommendations.

3.05 FIELD QUALITY CONTROL

- A. Slump Test: Gypsum underlayment 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 gypsum underlayment application. Cubes shall be tested as recommended by the Maxxon Corporation in accordance with modified ASTM C 472. Test results shall be available to architect and/or contractor upon request from applicator.
- C. Field Samples: At least one set of 3 molded cube samples shall be taken from each day's pour during the Level-Right WearTop application. Cubes shall be tested as recommended by Maxxon Corporation in accordance with modified ASTM C 109. Test results shall be available to architect and/or contractor upon request from applicator.

3.06 PROTECTION

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

End of Section