

SELF-LEVELING CEMENTITIOUS TOPPING

RECOMMENDED SPECIFICATION FOR LEVEL-RIGHT® WEARTOP CEMENTITIOUS SELF-LEVELING FLOOR TOPPING OVER LEVEL-RIGHT® WEARTOP DEEP FILL FOR TOPPING CONCRETE FLOORS

PART 1 GENERAL

1.01 SUMMARY

- A. This is the recommended specification for Level-Right WearTop Cementitious Self-Leveling Floor Topping over Level-Right WearTop Deep Fill for topping concrete floors.

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. Manufacturer Approved Primer
- C. WearTop Curing Agent – Kure-n-Seal WB

1.03 QUALITY ASSURANCE

- A. Installer's Qualifications: Installation of Level-Right WearTop 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 WearTop, building interior shall be enclosed and maintained at a temperature above 50 degrees F (10 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 Topping: Floor topping compound shall be Level-Right WearTop Cementitious Self-Leveling Floor Topping as manufactured by Maxxon Corporation, Hamel, MN.
- B. Deep Fill Aggregate: The aggregate for the deep fill will be washed stone or pea gravel. The size of the stone or pea gravel used will depend on the thickness of the application and meet Maxxon Corporation specifications.
- C. Mix Water: Potable, free from impurities.
- D. Concrete Primer: Manufacturer Approved Primer
- E. Curing Agent: Kure-n-Seal WB
- F. Sealer: Commercial Floor Wax

2.02 MIX DESIGNS

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

PART 3 EXECUTION

3.01 PREPARATION

- A. Condition and Cleaning of Concrete: Concrete shall be structurally sound. Steel troweled concrete, concrete sealed with curing compounds, or slick or smooth substrate surfaces must be shotblast or scarified to a Concrete Surface Profile of 5 (CSP 5) per International Concrete Repair Institute Guideline 03732. General Contractor shall clean concrete to remove mud, oil, grease, and other contaminating factors before arrival of the Level-Right WearTop crew.
- B. Leak Prevention: Fill cracks and voids with a quick setting cement patching or caulking material where leakage of Level-Right WearTop could occur.
- C. Priming Concrete and Stone: Prime concrete and stone using the Manufacturer Approved Primer including areas where stone or pea gravel will be placed. Prime the stone or pea gravel after it has been placed. Priming instructions vary according to the porosity of the concrete, multiple coats may be necessary.
- D. Deep Fill Aggregate: The stone or pea gravel should be applied and raked evenly to a height of $\frac{1}{4}$ " - $\frac{1}{2}$ " down from the finished height.
- E. Expansion Joints: Allow joints to continue through the Level-Right WearTop at the same width.

3.02 APPLICATION OF SELF-LEVELING FLOORING

- A. Scheduling: Application of Level-Right WearTop shall not begin until the building is enclosed, including roof, windows, doors, and other fenestration.

- B. Deep Fill: Place Level-Right WearTop over primed stone or pea gravel until it fills all voids. Rake if necessary.
- C. Application: Place Level-Right WearTop over set and primed Level-Right WearTop deep fill at a depth from ¼" – ½" inch. Spread and float Level-Right WearTop to a smooth surface. Except at authorized joints, place Level-Right WearTop as continuously as possible until application is complete so that no Level-Right WearTop slurry is placed against Level-Right WearTop product that has obtained its initial set.
- D. Sanding for Burnished, Marble Look: Buff sand the WearTop surface the day after the pour with a traditional floor buffing machine using an 80, 100 or 120 mesh screen to desired look. After the surface is screen sanded and broomed, use a tack rag or dry Swiffer mop to remove dust.
- E. Curing and Sealing: Level-Right WearTop is to be coated with at least 2 coats of Kure-n-Seal WB within 24 hours after installation except when staining, epoxy or other floor coverings will be installed.
- F. Kure-n-Seal Standard of Care: Apply commercial wax over the Kure-n-Seal WB after the floor is dry. Follow manufacturer's instructions.
- G. Drying: General Contractor shall provide continuous ventilation and adequate heat until Level-Right WearTop is dry. General contractor shall provide mechanical ventilation if necessary.

3.03 PREPARATION FOR INSTALLATION OF GLUE DOWN FLOOR GOODS

- A. Floor Goods Attachment: See the brochure "Procedures for Attaching Finished Floor Goods to Maxxon Underlayments" for guidelines for installing finished floor goods. This procedure is not a warranty and is to be used as a guideline only.

3.04 FIELD QUALITY CONTROL

- A. 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 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 WearTop wherever it will be subject to heavy wheeled or concentrated loads.

END OF SECTION