



UZIN SPECIFICATION

UZIN PE 480, UZIN PE 280, UZIN NC 170

Complete System; Two-Component 100% Solids Moisture Vapor Retarder System for Concrete
"without limitation to moisture values" to Receive Uzin Underlayment's

SECTION 07 26 00

TOPICAL MOISTURE VAPOR MITIGATION SYSTEM

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings, documents and general provisions of the Contract, and other related construction documents such as Division 01 Specification Sections, apply to this Section.
- B. Related Sections include the following: (*Specifier; delete or add appropriate sections*)
 - 1. Section 03 06 30: Cast-In Place Concrete Installation and curing requirements according to ACI 302
 - 2. Section 09 62 00: Specialty Flooring, Installation requirement
 - 3. Section 09 64 00: Wood Flooring, Installation requirement
 - 4. Section 09 65 00: Resilient Flooring, rubber sheet and vinyl tile installation requirements
 - 5. Section 09 65 36: Static Control Flooring, Installation requirement
 - 6. Section 09 67 00: Fluid Applied Flooring, Installation requirements
 - 7. Section 09 68 00: Carpet, Installation requirements

1.2 SUMMARY

- A. This is the recommended complete "Uzin System Specification" for treating concrete subfloors with high residual moisture vapor, without limitation to moisture values and to provide a smooth and acceptable surface to meet the specification requirements of most all flooring manufacturers.
- B. This complete Uzin System consists of Uzin PE 480 which is a two-component, 100% solids epoxy moisture vapor retarder designed to suppress excessive moisture vapor emissions in new or existing concrete without limitation to moisture values. Uzin PE 280 dispersion primer / bonding agent with carbon fiber technology produces a rough, well-keyed surface. Uzin NC 170 LevelStar with Level Plus Effect is a premium low stress Calcium Aluminate self leveling compound for virtually all types of floor coverings, with no depth restrictions, which provides an extremely flat, level, smooth finish.
 - 1. Uzin PE 480 2 part Epoxy Moisture Vapor Retarder.
 - 2. Uzin PE 280 Carbon Fiber reinforced Dispersion Primer.
 - 3. Uzin NC 170 LevelStar Self Leveling Compound with Level Plus Effect.



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1.3 REFERENCES

- A. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes
- B. ASTM F1869 – Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
- C. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
- D. ASTM C1583 - Standard Test Method for Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension
- E. ASTM C109M - 11b – Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (using 2 in. or [50 mm] Cube Specimens).

1.4 SUBMITTALS

- A. Test Results: Moisture Test Data
- B. Product Data: Submit manufacturer's product data sheets, installation instructions and Safety Data Sheets for each product used.
- C. Qualification Data: For applicator, must be an approved Uzin applicator. Uzin recommends the use of INSTALL[®] (International Standards & Training Alliance) certified contractors.

1.5 QUALITY ASSURANCE

- A. Application of the Uzin PE 480, PE 280 and NC 170 system must be by a factory trained applicator. Contact an Uzin Manufacturer Representative prior to application.
- B. Manufacturer experience: Provide products from companies that manufacture all components of the system and have successfully specialized in the production of this type for more than 20 years.

1.6 WARRANTY

- A. UFLOOR Systems Inc. Limited 10 year Warranty.
- B. UFLOOR Systems Inc. Limited Lifetime Warranty.
 - a. Contact UFLOOR Systems Inc. for details.
- C. INSTALL[®] Warranty on Labor program.
 - a. Contact INSTALL[®] for details. www.installfloors.org/warranty/ or email: install@carpenters.org

SECTION 07 26 00
SECTION VAPOR RETARDER

UFLOOR
SYSTEMS

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