

UZIN PE 280

Dispersion primer for non-absorbent surfaces

DESCRIPTION:

Fast-drying, ultra-low VOC water-based primer for use over non-absorbent surfaces. Ready-to-use* formulation with unique carbon fiber technology and special fine aggregates that produce a well-bonded textured surface when cured.

*Thoroughly stir PE 280 pail contents before application.

SUITABLE FOR:

- ▶ Interior use only
- ▶ Non-absorbent concrete up to 85% RH
- ▶ Use over well bonded, non-water-soluble adhesive residues, including cutback adhesive residue*
- ▶ Use over single layer well bonded sheet vinyl
- ▶ Use over single layer VCT (above-grade only)
- ▶ Use over cured UZIN PE 460 or UZIN PE 414 TURBO reaction resins
- ▶ Use over dense and smooth surfaces, securely bonded ceramic or natural stone, terrazzo, water-resistant coatings and epoxy coatings
- ▶ Use with radiant floor heating systems

*See "Substrate Preparation" for additional information



FEATURES AND BENEFITS:

- ▶ Ready to use • Mix and apply directly from container
- ▶ Fast drying • Significantly reduced waiting time over non-absorbent surfaces
- ▶ Superior bonding • Excellent adhesion to smooth and dense surfaces



TECHNICAL DATA:

Packaging	1 gal. / 4.5 kg / 3.8 l plastic pail 2.6 gal. / 11.8 kg / 9.8 l plastic pail
Storage	min. 12 months
Color, wet	yellow
Color, dry	yellow
Coverage	see coverage chart
VOC	< 20 g/L
Drying time	45 minutes*
Minimum application temperature	50 °F (10 °C) at floor level
Frost resistance for 5 cycles	28 °F (-2 °C)

*At 70 °F (21 °C) and 65 % relative humidity. Surface profile and porosity, application depth, temperature, and humidity will affect dry time and coverage.



PRODUCT PROPERTIES:

UZIN PE 280 is a film forming primer applied to non-absorbent surfaces in preparation for the subsequent application of UZIN portland or gypsum-based leveling compounds and thinset mortars. Do not dilute PE 280.

Coverage rate: (approx.*)	461-711 sq. ft. / pail (1 gal. / 4.47 kg)
	42-66 m ² / pail (1 gal. / 4.47 kg)
	1,200-1,850 sq. ft. / pail (2.6 gal / 12kg)
	111-171 m ² / pail (2.6 gal / 12kg)

*Actual coverage may vary depending on substrate conditions.

SUBSTRATE PREPARATION:

The subfloor must be structurally sound, solid, dry, free from active cracks, clean, and free of all contaminants, including but not limited to dust, grease, oil, paint, wax, curing, and sealing compounds, or cleaning solution residue that would impair adhesion. If necessary, mechanically prepare and clean the surface by grinding, shot blasting, or sanding, and thoroughly vacuum off all loose material and dust following OSHA recommended guidelines. Do not use sweeping compounds. Any weakly bonded or soft surface material, such as loose patching compounds, leveling compounds, floor coverings, or coatings, must be removed. Do not apply this product over any acid-etched or chemically abated adhesive surfaces. Please refer to the UZIN Substrate Preparation Guide for additional information.

CAUTION: Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Do not sand, grind, or disturb any surface or adhesive residue that may contain asbestos or lead, as harmful dust may result. Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instructions.

Substrate Moisture Testing and Assessment

Evaluate concrete substrates following ASTM F710 guidelines. Select a suitable UZIN moisture vapor retarder if required. UZIN PE 280 primer is not a vapor retarder and will allow water vapor diffusion. Always reference the limitations of the UZIN products, floor covering, and adhesive manufacturers' guidelines. If these limitations are in conflict, the most stringent requirements shall apply.

APPLICATION:

1. Optimum product application conditions are 60–77 °F (16–25 °C) and relative humidity below 65%.
2. Thoroughly stir pail contents.
3. DO NOT dilute with water. UZIN PE 280 is ready to use.
4. Dip the UZIN Nylon Fiber Roller into the pail and ensure that the sleeve is completely covered.
5. Place the loaded sleeve onto a scrap piece of material (cardboard or plywood) and roll several times to preload

the sleeve with a uniform amount of primer before transferring this to the nonporous surface. This process needs only be done once at the start of the application.

6. Apply a full, even coat of UZIN PE 280 onto the surface using the required application tool.
7. Coverage rate up to approx. 711 sq. ft. per gal.
8. Allow UZIN PE 280 to dry completely before the application of UZIN patching compounds, leveling compounds, or thinset mortars. Ready for thinset or coating after 45 minutes for depths not exceeding 1/2" (12.5 mm). Ready for coating after a minimum of 12 hours for depths not exceeding 1" (25 mm).
9. Product has a minimum 12-month storage life in original packaging when stored indoors in dry conditions.

IMPORTANT NOTES:

- ▶ Tightly reseal opened packaging and use the contents as quickly as possible.
- ▶ High temperatures and low humidity will accelerate drying.
- ▶ Low temperature and high humidity will delay drying.
- ▶ Do not apply to wet surfaces. Observe surface temperature at a minimum 5°F (3°C) above the dew point with temperature on the rise during application.
- ▶ For UZIN product depths exceeding 1" (25 mm), UZIN PE 460 reaction resin gritted with a broadcast of clean, dry sand #20 (ASTM U.S. Sieve Number) is recommended. Please call UZIN Technical Department regarding your specific job site condition.
- ▶ Do not acid-etch surfaces or apply UZIN PE 280 over chemically abated surfaces.
- ▶ The maximum dry time from the initial application is 30 hours. Ensure the primed surface remains clean, remove any dust or contamination.
- ▶ Not suitable for use as a moisture vapor retarder or pH barrier on concrete substrates. Select a suitable UZIN moisture vapor retarder.
- ▶ Not suitable for application over water-soluble adhesive residues. When priming over water-soluble adhesive residues, refer to the UZIN product data sheets for PE 460 or PE 414 TURBO reaction resins.
- ▶ Not for use in direct or indirect contact with one-component reaction resin wood flooring or floor covering adhesives. Use UZIN PE 460 or UZIN PE 414 TURBO gritted with a broadcast of clean, dry sand #20 (ASTM U.S. Sieve Number) as the priming system before applying UZIN leveling compounds.
- ▶ The following standards, regulations and notices are applicable and especially recommended:
 - ASTM F710 "Standard Practice for Preparing Concrete Floors To Receive Resilient Flooring".
 - ASTM F2170 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes".
 - ASTM F1869 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride".

COMPOSITION:

Polymer dispersion, preservation agents, additives and water.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Precautions: Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Safety Data Sheet (SDS) available at www.uzin.us.

WARNING: This product can expose you to chemicals including crystalline silica and titanium dioxide, which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

DISPOSAL:

For disposal and recycling, follow the applicable laws and regulations. When possible, avoid or minimize waste generation. Do not allow the material to get into sewers, waterways or unlined ground surfaces. Empty packaging can be recycled.

INDOOR AIR QUALITY INFORMATION

Certification: SCS Indoor Advantage™ Gold

VOC content: < 20 g/L, compliant with SCAQMD 1113

VOC emission: Conforms to the CDPH Standard Method (CA 01350) V1.2-2017; 5.0 mg/m³ or less TVOC emission.