

Premium Plus – Turbo Patching Compound

UZIN NC 888

Polymer-modified portland-based fine smoothing compound

DESCRIPTION:

Rapid-drying fine repair mortar used to smooth and fill imperfections of interior surfaces before installing floor covering material. Mixed with water, this polymer-modified compound of portland and select hydraulic cement can be applied to various surfaces, often without the requirement of a primer. Suitable for use with all floor coverings and adhesives.

SUITABLE FOR:

- ▶ Interior use only
- ▶ Use over concrete, cement-based leveling compounds
- ▶ Use over wood, plywood, OSB, and underlayment panels
- ▶ Use over well bonded adhesive residues including cutback adhesive*
- ▶ Use over quarry tile, natural stone, terrazzo
- ▶ Use over UZIN PE 460 and UZIN PE 414 TURBO coatings
- ▶ Use over ceramic tile, dense and smooth coatings, metal
- ▶ Use as a embossing filler over residential sheet vinyl
- ▶ Residential and commercial applications
- ▶ Use with radiant floor heating systems

*See: "Substrate Preparation" for additional information.



FEATURES AND BENEFITS:

- ▶ Polymer-modified • Extreme bond and durability
- ▶ Retains mix water • Superior skimcoat application
- ▶ Fast-dry formula • 15 minutes on absorbent substrates
- ▶ High strength • Suitable for caster wheels

TECHNICAL DATA:

Packaging	10 lb (4.5 kg) foil bag
Storage	min. 9 months in unopened bag
Mixing ratio	part measures: mix two parts powder to one part water by volume
Water quantity	2.2–2.5 quarts per 10 lb bag (2.1–2.4 liters per 4.5 kg bag)
Color	gray
Coverage	100–350 sq. ft. as a skimcoat (10 lb)* 9.29–32 m ² as a skimcoat (10 lb)* up to 30 sq. ft per bag at 1/8" (10 lb)* up to 2.78 m ² per bag at 3 mm (10 lb)*
VOC	0 g/L
Working time	15–20 minutes*
Ready for foot traffic	10–60 minutes*
Ready for covering	15–120 minutes* 12 hours for wood flooring*
Minimum application temperature	50 °F (10 °C) at floor level
Strength	compressive: 3,000 psi @ 28 days ASTM C109 air cure only

*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 NC 888 can be trowel applied as a skimcoat and feather edge up to 1" (25 mm) depth. UZIN NC 888 fulfills ASTM F710 patching compound requirements for moisture, mildew, and alkali resistance, including the 3,000 psi compressive strength specification for commercial application.

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. Wood substrates must provide a rigid base and be securely fastened without excessive vertical movement. The surface of the wood must be clean and free of oils, grease, wax, dirt, varnish, shellac, and any contaminants that would impair adhesion. If necessary, sand down to bare wood. Do not apply UZIN products directly to fire-retardant or pressure-treated wood 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 NC 888 and UZIN acrylic primers are not vapor retarders and 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.

UZIN Moisture Mitigation System-Concrete Substrates

UZIN Moisture Vapor Retarder (MVR)		
Surface	UZIN MVR	Max RH*
Concrete all grade levels, no ASTM E1745 vapor retarder requirement	PE 460	100%
Concrete all grade levels	PE 414	95%

*ASTM F2170 using in situ probes.

PRIMING:

If required, select a UZIN primer according to floor surface type and absorbency. For detailed UZIN primer information, please refer to the UZIN primer datasheet located at us.uzin.com. or contact UZIN for technical guidance.

UZIN Primer Quick Reference Chart		
Surface	Absorbency	UZIN Primer
Concrete-all grade levels, gypsum and cement-based leveling compounds, cement terrazzo*	porous	PE 360 PLUS
	porous	PE 260
	non-porous (dense)	PE 260, PE 280
UZIN PE 460 or PE 414 TURBO as non MVR coating	non-porous	PE 280
Prepared adhesive layers	non-porous	PE 260, PE 280, PE 414 w/PE 280
Plywood, OSB, underlayment	porous	PE 260
Dense coatings, ceramic tile, epoxy terrazzo	non-porous	PE 280

No primer is required over suitably prepared concrete, portland cement-based leveling compounds, and wood surfaces. However, priming highly absorbent surfaces with UZIN PE 260 or UZIN PE 360 PLUS will improve the UZIN NC 888 skimcoat application efficiency and dry surface appearance.

Gypsum Concrete, Gypsum-Based Leveling Compounds

Prime with UZIN PE 260 or UZIN PE 360 PLUS.

Existing Adhesive Layers

No primer required. Non-water-soluble and weak moisture-sensitive adhesive layers are recommended to be removed to thin residual staining of the substrate surface. Remove water-soluble adhesive layers completely. Carefully review the floor covering and adhesive substrate requirements. If necessary, contact UZIN for technical guidance.

Quarry Tile, Natural Stone, Cement Terrazzo

No primer required.

UZIN PE 460 and UZIN PE 414 TURBO Coatings, Ceramic Tile, Dense and Smooth Coatings, Epoxy Terrazzo, Metal

Prime with UZIN PE 280. For metal surfaces with a protective coating, prime with UZIN PE 280. For bare metal surfaces, please refer to the UZIN Metal Adhesion Chart for guidance, and then prime with UZIN PE 280.

Apply UZIN NC 888 at a minimum of 1/32" (1 mm) for use with dispersion (water-based) adhesives for nonporous surfaces and two-component epoxy adhesives. Apply at 1/8" (3 mm) thickness when using dispersion wetset adhesives with resilient floor covering or select a suitable UZIN self-leveling compound.

Embossing Filler

UZIN NC 888 can be used as an embossing filler over existing well-bonded full-spread adhered residential sheet vinyl. Do not apply over perimeter bonded floor coverings or cushion-backed flooring thicker than 0.08". Prime with UZIN PE 280. Use the least amount of UZIN NC 888 as possible to fill the embossed texture. Select a floor covering adhesive for non-porous surfaces to install the floor covering.

APPLICATION:

1. Optimum product application 60–77 °F (16–25 °C) and relative humidity below 65%.
2. To mix a full 10 lb bag – Pour 2.2–2.5 quarts (2.1–2.4 liters) cold, clean water into a clean container. Do not add more water than recommended.
3. Pour in UZIN NC 888 and mix product vigorously for approx. one minute at average drill speed of 300-450 rpm.
4. To mix part measures – ratio is two parts powder to one part water. Use a margin trowel to hand stir the mixture to a lump-free paste consistency. Observe working time (15-20 min).
5. Apply compound to substrate using a smoothing trowel.
6. Coverage rate at 1/8" (3 mm) is approx. 30 sq. ft. per 10 lb bag.
7. Product has a depth limit of 1" (25 mm).
8. Dry for foot traffic after approx. 10-60 min.
9. Ready for install of common floor coverings after approx. 15-120 min.
10. Storage: Best if used within 9 months from date of manufacture, in original packaging when stored indoors, in dry conditions. The product setting and drying characteristics may increase if the storage time is extended. The properties of the cured material are not affected.

IMPORTANT NOTES:

- ▶ Tightly reseal opened packaging and use the contents as quickly as possible.
- ▶ High temperatures and low humidity will accelerate the setting, drying, and readiness for covering. Low temperature, high humidity, and greater depths will delay drying. In summer, store in cool conditions and use cold water.
- ▶ 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.
- ▶ To extend working time, occasionally stir moderately. Do not retemper with additional water.
- ▶ Protect freshly applied material from drafts, direct sunlight, and direct sources of heat.
- ▶ A floor covering must protect the UZIN NC 888 application.
- ▶ Allow 12 hours dry time for use with high-performance, two-component epoxy, and wood flooring adhesives.
- ▶ Do not use for an entire area (skimcoat) application below glue down wood flooring.

- ▶ The following standards and product regulations apply:
 - ASTM F710 "Standard Practice for Preparing Concrete Floors To Receive Resilient Flooring"
 - ASTM C109 "Standard Test Method for Compressive Strength of Hydraulic Cement Mortars"
 - ASTM C150 "Standard Specification for Portland Cement"
 - ASTM C219 "Standard Terminology Relating to Hydraulic and Other Inorganic Cements"

COMPOSITION:

Special cements, mineral aggregates, redispersible polymers and additives.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Read and follow all safety and environmental precautions and instructions on the packaging label and the Safety Data Sheet (SDS). The SDS is available at www.uzin.us.

WARNING: This product can expose you to chemicals including crystalline silica, which is 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: 0 g/L; compliant with SCAQMD rule 1113

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