

Premium - Patching Compound

NC 884 CG

Cementitious mortar suitable for all types of interior floor covering work

DESCRIPTION:

Cementitious mortar used to smooth and fill imperfections of interior surfaces before installing floor covering. Mixed with water, it can be applied to various surfaces. 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, underlayment panels
- ▶ Use over quarry tile, natural stone, terrazzo
- ▶ 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



FEATURES AND BENEFITS:

- ▶ Fine aggregates • Ideal for skimcoat applications
- ▶ Versatile formula • Applies from a skimcoat to 1/2"
- ▶ Fast setting • Cover ready in as little as 30 minutes (skimcoat)
- ▶ High compressive strength • Ideal for rolling load conditions
- ▶ SCS Global rated product • Indoor air quality certified

TECHNICAL DATA:

Packaging	25 lb. (11.3 kg) paper bag
Storage	up to 9 months**
Water quantity	3.6-4 quarts per bag (3.4-3.8 liters) per bag
Color	gray
Applied coverage	up to 35 sq. ft. at 1/8" per bag* (3.25 m ² at 3 mm per bag)*
VOC	0 g/L
Working time	10-15 minutes*
Ready for foot traffic	30 minutes (skimcoat)*
Ready for covering	30 mins (skimcoat)* 60-90 mins depths 1/8"-1/2" (3 mm-12.5 mm)* 16 hours for wood flooring*
Minimum application temperature	50 °F (10 °C) at floor level
Strength	compressive: 3,500 psi at 28 days (ASTM C109)

*Applied coverage refers to the product's spread rate at indicated layer thickness, based on practical application experience rather than physical properties. At 70 °F (21 °C) and 65% relative humidity. Surface profile and porosity, application depth, temperature, and humidity will affect dry time and coverage. **In original unopened packaging, when stored indoors in dry, moderate conditions between temperatures of 50F - 90F (10C - 32C).



PRODUCT PROPERTIES:

UZIN NC 884 CG can be trowel applied as a skimcoat up to 1/2" (12.5 mm) depth. UZIN NC 884 CG exceeds the 3,000 psi compressive strength specification for commercial application per ASTM F710 patching compound requirements for moisture, mildew, and alkali resistance.

Product Density	lbs ft3
Wet	105 +/- 2 lbs
Dry (at 28 days)	102 +/- 2 lbs

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 884 CG 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*	pH control	UZIN Primer
Concrete all grade levels, no ASTM E1745 vapor retarder requirement	PE 460	100%	5-14	PE 280
Concrete all grade levels	PE 414	98%	5-14	PE 280

*ASTM F2170 using in situ probes.

PRIMING:

According to substrate surface type and absorbency, select a suitable UZIN primer. 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	Max RH
Concrete-all grade levels, gypsum and cement-based leveling compounds, cement terazzo*	porous	PE 360 PLUS	85%
	porous	PE 260	85%
	semi-porous	PE 260	85%
	non-porous (dense)	PE 260, PE 280	85%
UZIN PE 460 or PE 414 TURBO as non MVR coating	non-porous	PE 280	85%
Prepared adhesive layers	non-porous	PE 260, PE 280	-
Plywood, OSB, underlayment	porous	PE 260	-
Dense coatings, ceramic tile, epoxy terazzo	non-porous	PE 280	-
Metal with protective coating	non-porous	PE 280	-
Bare metal-refer to UZIN Metal Adhesion Chart then prime	non-porous	PE 280	-

Gypsum Concrete, Gypsum-Based Leveling Compounds
Prime with UZIN PE 260 or UZIN PE 360 PLUS.

Existing Adhesive Layers

Non-water-soluble and weak moisture sensitive adhesive layers are recommended to be removed to thin residual staining of the substrate surface. Prime with UZIN PE 280. 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

Prime with UZIN PE 280.

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

APPLICATION:

1. Optimum application 60–77 °F (16–25 °C), and relative humidity between 40–60 %.
2. Pour 3.6 - 4 quarts (3.4 – 3.8 liters) cold, clean water into a clean container. Pour in UZIN NC 884 CG.
3. Mix vigorously for approx. one minute using a heavy-duty drill and UZIN Flat Cage Mixer. (avg drill speed 300 - 450 rpm).
4. Apply compound onto substrate. Observe working time (10 - 15 min).
5. Coverage 1/8" (3 mm) is approx. 35 sq. ft. (25 lb. bag).
6. Product has a depth limit of 1/2" (12.5 mm).
7. Ready for foot traffic after approx. 30 min. (skimcoat).
8. Ready for install of common floor coverings after approx. 30 min (skimcoat) & 60 - 90 min (1/8" - 1/2").
9. Storage up to 9 months in original unopened packaging when stored indoors in dry, moderate conditions between temperatures of 50F - 90F (10C - 32C). 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, direct sources of heat, and freezing temperatures.
- ▶ A floor covering must protect the UZIN NC 884 CG application, including areas with frequent standing water conditions.
- ▶ Allow 16 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 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"
 - 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"
 - ASTM C348 "Standard Test Method for Flexural Strength of Hydraulic-Cement Mortars"

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.com.

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:

Dispose of the material in accordance with applicable laws and regulations. Avoid product to get in contact with soil, waterways, drains, or sewers. Empty containers or liners may retain product residues.

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; TVOC emission between 0.5 and 5.0 mg/m³