



North American
ADHESIVES®

NA 4600

EVER Color™ PQ

**Premium Ready-to-Use Grout
with Color-Coated Quartz**



PRODUCT DESCRIPTION

NA 4600 Ever Color PQ is a premium-grade, ready-to-use specialty grout for use with porcelain, ceramic and natural-stone tiles, and is ideal for both commercial and residential applications. No sealer is required because its composition helps prevent water-based stains. NA 4600 Ever Color PQ is formulated with the latest innovation in quartz aggregate, ensuring color consistency, ease of cleanability and improved workability.

FEATURES AND BENEFITS

- Ready to use; no need to add water and no mixing necessary
- No sealing required
- Helps to prevent mold and mildew
- Commercial and residential applications
- Indoor and outdoor environments
- Stain- and chemical-resistant grout formulation
- Easy cleanability, color consistency and workability
- Dries to a hard, uniform color surface in 24 hours and will not stain surfaces
- Crack-resistant and shrinkage-controlled formulation, with no efflorescence

USES

- For grout joints from 1/16" to 1/2" (1,5 to 12 mm)
- For grouting interior and exterior floors, walls, countertops and backsplashes
- For glass tile/mosaics as well as porcelain, ceramic and natural-stone tile (such as granite, travertine, slate, marble and polished marble), quarry, and cement-based terrazzo
- For grouting intermittent wet conditions such as bathtub surrounds, shower walls and shower floors
- For interior/exterior commercial and residential installations under Res 1, 2, 3 and 6 and Com 1, 2, 3 and 6 per TCNA Environmental Classifications. NA 4600 Ever Color PQ is not for installations in submerged areas or areas hotter than 125°F (52°C).

SUBSTRATE REQUIREMENTS

Before grouting, make sure that tiles are firmly set and that the adhesive or mortar is completely dry. Remove all tile spacers. Grout joints must be clean and free of standing water, dust, dirt and foreign matter. Remove excess adhesive or mortar from the joint area so that 2/3 of the tile depth is left available for grouting. Clean the tile surface thoroughly to remove dust, dirt and other contaminants that may cause grout discoloration. See the "Surface Preparation for Tile and Stone Installations" document from North American Adhesives at www.na-adhesives.com.

Tile Council of North America (TCNA) Maximum Allowable Deflection for Floor Systems and Substrates

Floor systems, whether wood framed or concrete, over which the tile will be installed using the appropriate TCNA method, according to the Floor Tiling Installation Guide, shall be in conformance with the International Residential Code (IRC) for residential applications, the International Building Code (IBC) for commercial applications, or applicable building codes.

The owner should communicate in writing to the project design professional and general contractor the intended uses of the tile installation, including in-service loads or information to allow a project design professional to calculate such.

The tile contractor shall not be responsible for problems resulting from any structural subfloor installation not compliant with applicable building codes, unless structural subfloor was designed and installed by tile contractor, nor for problems from overloading. Please reference the most current version of the TCNA Handbook for more complete substrate requirements.

Consult Technical Services for installation recommendations regarding substrates and conditions not listed.



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LIMITATIONS

- Some types of sensitive tiles such as glass mosaic or marble can be permanently stained, scratched, dulled or damaged when grouting. Always test the grout on a separate sample area before grouting to determine the suitability of the tile with the grout color selected.
- Not recommended:
 - If an absence of grout is desired in the pits of distressed or tumbled travertine tiles.
 - In water-submersion installations such as pools and hot tubs.
 - For installation in steam rooms or saunas.
 - In areas exposed to continuous high surface temperatures (greater than or equal to 140°F [60°C]), such as areas near fireplaces or wood stoves.
 - On commercial kitchen floors or environments where “no-rinse” enzymatic cleaners will be used.
 - In heavy industrial installations or commercial kitchens where fatty acids are present.
- Use only at temperatures between 50°F and 95°F (10°C and 35°C). Drying time will vary depending on temperature, humidity, tile porosity and grout joint depth/width.
- *NA 4600 Ever Color PQ* cures faster in lower humidity conditions (less than 50% is ideal).
- Steam cleaning and power washing of *NA 4600 Ever Color PQ* is acceptable after 6 to 7 days. Do not use a power-washer setting with greater than 1,800 psi.

APPLICATION

Consult the Safety Data Sheet for safe-handling instructions.

1. To aid in spreading the grout, slightly moisten the tile surface with a damp, grout sponge just before application.
2. Force the grout into the joints with a medium- to hard-rubber float held at a 45-degree angle to the tile surface.
3. Make sure that all joints are well-compacted and are free of voids and gaps.
4. Remove excess grout from the tile surface, holding the float at an almost 90-degree angle to the surface and moving the float diagonally to the joints while the grout is still fresh.
5. The grout surface should be flush with the tile edge.

6. Cleaning should begin after the surface develops a dry, skinned-over appearance – within 5 to 10 minutes, depending upon the temperature, humidity and absorption rate of the tile; therefore, grout small areas of between 30 to 40 sq. ft. (2,79 to 3,72 m²) at a time.

CLEANUP

1. Move a moderately damp grout sponge across the tile surface in a circular motion to loosen grout and to shape the joints. Drag a clean and moderately damp sponge diagonally across the tile joints, applying slight pressure. Use one side of the sponge for each pass over the tile, rinsing the sponge after the second pass. Note: Under certain conditions, a milky film can appear on the grout surface. This film will dissipate in 20 to 30 minutes after the washing step is completed.
2. Change the water bucket frequently to prevent the development of a haze on the tile surface.
3. Because *NA 4600 Ever Color PQ* leaves little residue on the tiles, a final wash may not be required after the initial wash. If residue is observed on the tile surface, a final wash can be performed about 1 hour after the initial wash. If needed in the cleaning process, add 1 U.S. oz. (30 mL) of a clear dishwashing soap to a pail containing 3 U.S. gals. (11,4 L) of clean water; then, use a clean, white, moistened scrub pad to loosen any remaining grout residue and a moistened sponge to remove the residue.
4. If joints are not fully flush, *NA 4600 Ever Color PQ* can be re-applied after 24 hours of drying by repeating steps 1 through 3. The product will bond to itself.
5. Clean tools and the surface with clean water while the product is fresh.

PROTECTION

- Light foot traffic is acceptable 24 hours after grouting. Normal foot traffic is acceptable after 48 hours. Commercial/heavy foot traffic is acceptable after 6 to 7 days. Protection and cure times will vary depending on ambient temperatures, substrate temperature and humidity.
- To develop stain resistance and for a full cure, allow 3 days before water exposure.
- Protect the product from freezing. However, if the product does freeze, allow the product to return to room temperature before use. *NA 4600 Ever Color PQ* was tested in the cured state and passed 25 cycles of freeze/thaw testing at 0°F (-18°C) for 16 hours and 8 hours at 74°F (23°C) per cycle.

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Product Characteristics at 73°F (23°C) and 50% relative humidity	
Color	16 popular colors available; grout cards available upon request
Packaging	1 U.S. gal. (3,79 L)
VOCs (Rule #1168 of California's SCAQMD)	44 g per L
VOCs (Section 01350 of California's CDPH)	Passed
Shelf life	18 months if unopened, or opened but with a closed lid
Full cure	3 days
Odor	Slight latex odor, with no ammonia smell
Hardness at 72 hours (Shore A)	85
Light foot traffic	Permitted 24 hours after installation
Normal foot traffic	Permitted 48 hours after installation
Commercial/heavy foot traffic	Permitted 6 to 7 days after installation
Foot traffic rating (ASTM C627)	Medium commercial rating; passes 10 cycles
ASTM C627 Robinson Floor Testing	Passes 10 cycles for a rating of moderate commercial grade
Cleanup	With clean water while fresh

ANSI Specification		
Test Method	Specification Standard	Test Results
ANSI A118.3 – chemical resistance (ASTM C267)	Conforms to ASTM C267	Pass (see "Chemical Resistance" table)
ANSI A118.3 – vertical sag in joints	No noticeable change in joint shape	Pass
ANSI A118.3 – cleanability	Spreadable and water-cleanable	Pass
ANSI A118.6* – compressive strength	CG2 (cement grouts): > 3,500 psi (24,1 MPa) at 28 days	4,922 psi (33,9 MPa)
Abrasion (Gabbrielli Abrasimeter) – modified ISO 13007-4 method	CG2 (cement grouts): ≤ 1 000 mm ³	7 days ≤ 450 mm ³ 28 days ≤ 400 mm ³
Water absorption (TCNA method)	14 days at 73°F (23°C) – 2 days in water	Pass

* Modified ANSI method: 28 days at 73°F (23°C) in a grout joint

Chemical Resistance (ASTM C267)**	
Ammonia	Pass
Bleach	Pass
Potassium hydroxide 3%	Pass
Acetic acid 3%	Pass
Acetic acid 10%	Pass
Ammonium chloride	Pass
Citric acid 3%	Pass
Citric acid 10%	Pass
Lactic acid	Pass
Peanut oil	Pass
Olive oil	Pass
Phosphoric acid 3%	Pass
Phosphoric acid 10%	Pass
Sulfamic acid 3%	Pass
Sulfamic acid 10%	Pass
Hydrochloric acid 3%	Pass
Hydrochloric acid 10%	Pass
Sulfuric acid 3%	Pass

** Testing conducted after 28-day full cure, with 24-hour full immersion

Industry Standards and Approvals	
LEED v4 Points Contribution	LEED Points
Health Product Declaration (HPD)***	Up to 2 points

Additional Green Certifications
Living Building Challenge (LBC) Red List Free: This product has been verified per the most current Red List on the LBC's Website.

*** Using this product may help contribute to LEED certification of projects in the category shown above. Points are awarded based on contributions of all project materials.



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Approximate Coverage* per 1 U.S. gal. (3,79 L)				
Tile Size	Grout Joint Width			
	1/16" (1,5 mm)	1/8" (3 mm)	3/16" (4,5 mm)	1/4" (6 mm)
2" x 2" x 1/4" (50 x 50 x 6 mm)	103 sq. ft. (9,57 m ²)	50 sq. ft. (4,65 m ²)	33 sq. ft. (3,07 m ²)	24 sq. ft. (2,23 m ²)
4-1/4" x 4-1/4" x 1/4" (108 x 108 x 6 mm)	221 sq. ft. (20,5 m ²)	109 sq. ft. (10,1 m ²)	72 sq. ft. (6,69 m ²)	54 sq. ft. (5,02 m ²)
6" x 6" x 1/4" (152 x 152 x 6 mm)	313 sq. ft. (29,1 m ²)	155 sq. ft. (14,4 m ²)	103 sq. ft. (9,57 m ²)	77 sq. ft. (7,15 m ²)
6" x 24" x 3/8" (152 x 610 x 10 mm)	334 sq. ft. (31,0 m ²)	166 sq. ft. (15,4 m ²)	110 sq. ft. (10,2 m ²)	82 sq. ft. (7,62 m ²)
8" x 8" x 3/8" (203 x 203 x 10 mm)	278 sq. ft. (25,8 m ²)	138 sq. ft. (12,8 m ²)	91 sq. ft. (8,45 m ²)	68 sq. ft. (6,32 m ²)
12" x 24" x 3/8" (304 x 610 x 10 mm)	557 sq. ft. (51,7 m ²)	278 sq. ft. (25,8 m ²)	184 sq. ft. (17,1 m ²)	138 sq. ft. (12,8 m ²)

* Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to actual tile size and thickness, exact joint width, job conditions and grouting methods. Consult Technical Services to determine the amount of product needed for project criteria not shown.



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MAPEI® Corporation
1144 East Newport Center Drive
Deerfield Beach, FL 33442

U.S. and Puerto Rico

Customer Service: 1-800-747-2722
Technical Services: 1-800-637-7753

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Canada

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Refer to the Safety Data Sheet for specific data related to health and safety as well as product handling. For the most current product data and warranty information, visit www.na-adhesives.com.

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LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the NAA product installation. For the most up-to-date TDS and warranty information, visit our Website at www.na-adhesives.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED NAA WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**