

NA 2300

Pro Stone & Tile Adhesive

Ready-to-Use Stone and Tile Adhesive



North American
ADHESIVES®



PRODUCT DESCRIPTION

NA 2300 Pro Stone & Tile Adhesive is a high-performance, nonflammable, acrylic latex adhesive for indoor installation of stone and ceramic tile.

NA 2300 is ready to use, is easy to apply, has low odor, and has fast grab for holding small-to-large tiles firmly in place on floors, walls, ceilings and countertops.

USES

- For installing non-moisture-sensitive marble, granite and slate, as well as most ceramic, quarry and porcelain tiles
- For indoor residential and commercial installations where service requirements do not exceed ANSI A136.1 industry standards
- For residential installations of floor and wall tile up to 16" x 16" (41 x 41 cm) and ceiling tile up to 6" x 6" (15 x 15 cm), in dry or intermittent wet conditions such as countertops, backsplashes, tub surrounds and shower walls
- For commercial installations of wall tile up to 16" x 16" (41 x 41 cm) and ceiling tile up to 6" x 6" (15 x 15 cm), in dry or intermittent wet conditions

SUBSTRATE REQUIREMENTS

Surfaces must be structurally sound, solid, well-fastened, dry, clean and free of dust, oil, grease, wax, curing agents, sealers, adhesive residue and any other substance that could weaken the adhesive's bond to the substrate.

Painted surfaces must be sanded or scarified. Prime gypsum drywall before application. The supporting surface over which natural stone will be applied should have a deflection no greater than L/720 of the span when measured less than 300 lbs. (136 kg) of concentrated load (see ASTM C627).

Tile Council of North America (TCNA) Statement on Deflection Criteria

Floor systems, including the framing system and subfloor panels, over which tile will be installed should be in conformance with the IRC [International Residential Code] for residential applications, the IBC [International Building Code] for commercial applications, or applicable building codes.

Note: The owner should communicate in writing to the project design professional and general contractor the "intended use" of the tile installation, in order to enable the project design professional and general contractor to make necessary allowances for the expected live load, concentrated loads, impact loads, and dead loads including the weight of the tile and setting bed. The tile installer shall not be responsible for any floor framing or subfloor installation not compliant with applicable building codes, unless the tile installer or tile contractor designs and installs the floor framing or subfloor.

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

SUITABLE SUBSTRATES (properly prepared)

- Fully cured concrete (at least 28 days), properly primed
- Masonry block
- Cement mortars and leveling coats
- Cement backer units (see manufacturer's instructions for approval)
- Gypsum wallboard – indoor walls in dry areas only, properly primed
- APA or CANPLY Group 1 exterior-grade plywood (indoor residential floors and countertops in dry areas)

See North American Adhesives' "Surface Preparation Requirements" document at www.na-adhesives.com.

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LIMITATIONS

- Do not use for outdoor applications, submerged conditions, steam showers or steam rooms, or where hydrostatic pressure exists.
- Do not apply over any substrates containing asbestos or over waterproofing membranes, radiant- or thermal-heated subfloor systems, gypsum-based patching or leveling compounds, sheet vinyl, vinyl asbestos tile (VAT), vinyl composition tile (VCT), existing ceramic, porcelain or natural stone, self-stick tile, laminate surfaces, fiberglass surfaces, poured epoxy floors, hardwood flooring, presswood, particleboard, chipboard, oriented strand board (OSB), Masonite, Luan, metal or similar dimensionally unstable substrates.
- Do not use for the installation of glass tiles; moisture-sensitive tile or stone such as Rosso Levanto, Negro Marquina, or green marble tiles or their agglomerates; or other tiles with known dimensional instability when exposed to water-based setting materials.
- Do not use for setting bathroom fixtures or grab bars.
- Do not use as a grout.
- Do not use as a thick-bed mortar, concrete repair mortar, concrete patching material or skimcoating compound; or use to level subfloors.
- *NA 2300* may remain pliable under large tile. Restrict heavy loads for 14 days.

HEALTH AND SAFETY

Consult the (Material) Safety Data Sheet for safe-handling instructions.

MIXING

- *NA 2300* is ready to use. No mixing is required.

APPLICATION

1. Install only in temperatures between 50°F and 95°F (10°C and 35°C).
2. Select a typical notched trowel (see "Approximate Coverage" chart) with sufficient depth for at least an 85% transfer of the adhesive to the back of the tile. Trowel selection will vary depending on the tile size and thickness as well as the substrate profile.
3. Key the adhesive into the substrate with the trowel's flat side.
4. Apply additional adhesive and comb it in a single direction with the notched side of the trowel. Do not apply in a swirl pattern.
5. Spread only as much adhesive as can be tiled within 30 minutes. Any adhesive that has "skinned" over should be scraped off and replaced with fresh material.

6. Place tiles firmly into the fresh adhesive with a slight push/pull motion to ensure a positive bond.

7. Make alignments or adjustments immediately, within 30 minutes.

MOVEMENT JOINTS

- Follow recommendation EJ-171 by the TCNA.

GROUTING

- Grouting is allowed after 24 hours for walls, and after 48 to 72 hours for floors.
- The absorption rate of the tile and substrate, as well as lower substrate temperature, will directly affect and slow the drying time for all adhesives.
- Larger tiles such as 16" x 16" (41 x 41 cm) will generally take longer to reach a firm set than a 6" x 6" (15 x 15 cm) tile.

CLEANING

Clean hands, surfaces and tools with fresh water while the product is wet. If it has dried, use mineral spirits.

PROTECTION

- Protect containers from freezing in transit and storage.
- Protect floors from foot traffic for at least 48 to 72 hours after grouting is complete.
- Restrict heavy loads on floors for 14 days.
- Walls should be protected from impact, vibrations and heavy hammering on adjacent and opposite walls for at least 14 days after installation.



Technical Quick Reference	
Product Characteristics at 73°F (23°C) and 50% relative humidity	
Color	Off-white
Packaging	
Pail: 1 U.S. gal. (3,79 L)	Product code #230001000
Pail: 3.5 U.S. gals. (13,2 L)	Product code #230035000
VOCs (Rule #1168 of California's SCAQMD)	35 g per L
Shelf life	2 years from date indicated on original, unopened container
Open time*	30 minutes
Time before grouting*	24 hours for walls, and after 48 to 72 hours for floors




* Open time and time before grouting vary based on jobsite conditions.

Industry Standards and Approvals	
LEED Points Contribution	LEED Points
MR Credit 5, Regional Materials**	Up to 2 points
IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants	1 point
IEQ Credit 4.3, Low-Emitting Materials – Flooring Systems	1 point

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

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Approximate Coverage*			
Tile Size	Typical Trowel	Coverage per 1 U.S. gal. (3,79 L)	Coverage per 3.5 U.S. gals. (13,2 L)
Tile up to 4" x 4" (10 x 10 cm)	V-notch, 1/8" x 1/8" x 1/8" (3 x 3 x 3 mm) 	50 to 70 sq. ft. (4,65 to 6,50 m ²)	175 to 245 sq. ft. (16,3 to 22,8 m ²)
Tile from 4" x 4" (10 x 10 cm) to 8" x 8" (20 x 20 cm)	Square-notch, 1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) 	25 to 35 sq. ft. (2,32 to 3,25 m ²)	88 to 122 sq. ft. (8,18 to 11,3 m ²)
Tile from 8" x 8" (20 x 20 cm) to 16" x 16" (41 x 41 cm)	Square-notch, 1/4" x 3/8" x 1/4" (6 x 10 x 6 mm) 	20 to 25 sq. ft. (1,86 to 2,32 m ²)	70 to 88 sq. ft. (6,50 to 8,18 m ²)

* Trowel dimensions are width/depth/space. Coverage shown is for estimating purposes only. Actual coverage depends on substrate profile and porosity, equipment used, thickness applied, temperature and humidity. To ensure appropriate contact, proper trowel selection is mandatory (see "Application" section).



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Printed in the USA.
PR: 5395 MKT: 6688
Edition Date: August 7, 2013

For the most current product data and warranty information, visit www.na-adhesives.com.



Statement of Responsibility

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. **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.**