

# NA 2040



**North American**  
**ADHESIVES®**

## Ready-to-Use Tile Adhesive

GOOD

BETTER

BEST

### PRODUCT DESCRIPTION

A premium water-based adhesive for installations in wet or humid environments. NA 2040 is recommended for use with all types of ceramic, mosaic, quarry tile and pre-grouted tile panels. Use it to install tiles with confidence over fully cured plaster, drywall, cementitious backer boards (CBUs), concrete, plywood and existing tile. The fast-grab, nonslip formula of this white adhesive also allows vertical installation of large tiles.

### USES

- Use for indoor installations of nonvitreous, semivitreous, vitreous and impervious mosaic.
- Install wall tiles up to 12" x 12" (30 x 30 cm).
- Install floor tiles up to 6" x 6" (15 x 15 cm) in dry areas only.
- Use for ceramic tile installations on floors (light-duty residential traffic only), walls and countertops.
- Use for shower, tub and bath surrounds where service requirements do not exceed those of ANSI A136.1, Type 1 standards.
- Use only when temperature will remain above 50° (10°C) for at least 72 hours after installation.

### SUBSTRATE REQUIREMENTS

Surface area that will receive tile must be dry, clean and free of dust, oil, grease, tar, paint, wax, curing agents, primers, sealers, release agents and any deleterious substance that may act as a bond barrier. All supporting surfaces must be structurally sound.

### SUITABLE SUBSTRATES (Properly prepared)

- Walls: CBUs, water-resistant gypsum panels and gypsum drywall panels, fully cured concrete and cement plaster
- Floors: Fully cured concrete (at least 28 days old), CBUs, cementitious leveling compounds, cured cement mortar beds and exterior plywood (Group 1 CC-plugged or better conforming to APA classification and U.S. Product Standard PS 1-95) or similar performing underlayment
- Use NA 2040 in tile-over-tile applications according to TCA method TR 713, provided that such surfaces are well-prepared and well-bonded to an approved nondeflecting substrate.

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

### LIMITATIONS

- Do not apply NA 2040 over particleboard, chipboard, Masonite, Luan, gypsum floor-patching compounds or similar dimensionally unstable substrates.
- Do not use in wet areas or areas of prolonged water exposure.

### TECHNICAL QUICK REFERENCE

**Product characteristics** at 73°F (23°C) and 50% relative humidity

Open time	About 45 minutes
Initial cure	24 hours
Final cure	72 hours
Flammability	Nonflammable
Shear strength	Exceeds ANSI A136.1, Type 1
Slippage (sag)	None
Freeze/thaw-stable	To 0°F (-18°C)
Cleanup	With water while fresh; with mineral spirits once dry
Color	White
Shelf life	1 year when stored in original sealed container in a dry area and at room temperature

### Packaging

Container: 1 U.S. qt. (946 mL) (6 per case)

Pails: 1 U.S. gal. (3,79 L) (4 per case);

3.5 U.S. gals. (13,2 L); 5 U.S. gals. (18,9 L)

### TYPICAL TROWELS AND APPROXIMATE COVERAGES\*

1/8" x 1/8" ..... 60 to 70 sq. ft./U.S. gal.  
(3 x 3 mm) ..... (1,47 to 1,71 m<sup>2</sup>/L)

3/16" x 5/32" ..... 40 to 55 sq. ft./US gal.  
(4,5 x 4 mm) ..... (0,98 to 1,35 m<sup>2</sup>/L)

1/4" x 1/4" x 1/4" ..... 25 to 35 sq. ft./US gal.  
(6 x 6 x 6 mm) ..... (0,61 to 0,86 m<sup>2</sup>/L)



\* Coverage is dependent on the trowel size, substrate condition and other factors

### HEALTH AND SAFETY

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

- NA 2040 is not recommended for the installation of Rosso Levanto, Negro Marquina, green marble, granite or their agglomerates, or other tiles with known dimensional instability when exposed to water-based setting materials.

### MIXING

NA 2040 is ready to use, with no mixing required.

### APPLICATION

1. Provide dry, heated storage on site and deliver materials at least 24 hours before use.
2. This product is freeze/thaw-stable at temperatures down to 0° F (-18° C). However, protect all water-based products from freezing. If material is frozen, do not stir it until it has completely thawed.
3. Surface area that will receive tile must be dry, clean and free of dust, oil, grease, tar, paint, wax, curing agents, primers, sealers, release agents and any other deleterious substance that may act as bond barriers. All supporting surfaces must be structurally sound.
4. Use a typical notched trowel (see "Typical Trowels and Approximate Coverages") with sufficient depth to ensure proper transfer, covering at least 85% of the tile back.

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5. Using the trowel's flat edge, spread the adhesive on the substrate. Then, apply additional material and comb the surface using the trowel's notched side to achieve an even-setting bed. Do not spread more than can be covered with tiles within 30 to 45 minutes. If skinning occurs, scrape off and replace with fresh adhesive.
6. Place tiles firmly in position on the fresh adhesive with a slight twisting motion to ensure a positive bond.
7. Make all alignments and adjustments immediately (do not exceed 30 minutes).
8. Clean smudges from the face of the tiles promptly with water while adhesive is still fresh. Once adhesive has dried, use mineral spirits.
9. Wash hands and tools with water while adhesive is still fresh.

## EXPANSION AND CONTROL JOINTS

Follow Recommendation EJ171-07 of the Tile Council of North America.

## PROTECTION

- Floors: Keep free from general traffic for at least 72 hours after installation. Plywood or stepping boards may be used after 24 hours when occasional stepping on the floor is unavoidable.
- Walls: Protect from impact, vibration and hammering on adjacent and opposite walls for at least 14 days after installation. Protect from water exposure for at least 72 hours after grouting.
- Note: Installing large tiles will extend the drying time as will cold temperatures and high humidity. Do not grout or allow traffic until tiles are securely bonded.

## IMPORTANT NOTICE

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.**

For the most current product data, visit [www.na-adhesives.com](http://www.na-adhesives.com).



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