

NA 500



North American
ADHESIVES®

Fast-Setting Patch

formerly NA 3400 Qwik Patch



GOOD

BETTER

BEST

PRODUCT DESCRIPTION

A quick-setting, latex-fortified, sanded cement-based patching compound where, when mixed only with water, floor covering can be installed in just 1 hour after application. Mix with NA 501 latex liquid additive to use as an embossing leveler or to encapsulate cutback adhesive residue.

USES

- Use for patching and filling cracks, holes, voids and depressions in concrete and plywood before the installation of carpet, vinyl flooring, glue-down wood flooring, ceramic tile, slate, marble, granite and stone veneer floors.
- Use NA 500 mixed with NA 501 additive as an embossing leveler over noncushioned sheet vinyl with a vinyl or urethane wear layer.
- Use NA 500 mixed with NA 501 additive for bonding to vinyl composition tile (VCT), ceramic tile, cement terrazzo and black cutback adhesive residue.
- Mix NA 500 with NA 501 for increased working time.
- Use for indoor applications only.
- Use for repairing subfloors of thicknesses from featheredge to 1/2" (12 mm). If needed, when mixed with water, NA 500 can be applied in two layers up to 1" (2,5 cm).
- NA 500 offers a compatible bond with all resilient or ceramic tile adhesives, dry-set mortars, epoxies and polyurethane adhesives when these materials are subsequently used for the installation of floor-covering materials.
- NA 500 resists indentations when covered with floor covering.
- Apply at temperatures between 50°F and 100°F (10°C and 35°C).
- NA 500 is not to be used as a concrete resurfacing material when concrete surface is to be left exposed or unprotected.
- When leveling large surfaces, use NA 400 self-leveling underlayment (see Technical Data Sheet for details).

SUITABLE SUBSTRATES (properly prepared)

When mixed with water or diluted NA 501:

- Fully cured concrete
- Any wood underlayment that is recommended or guaranteed by either the wood underlayment manufacturer or the floor-covering manufacturer, such as exterior-grade plywood, Group 1, CC type

When mixed with full-strength NA 501:

- Existing and fully bonded noncushioned sheet vinyl
- VCT
- Ceramic tile
- Cement terrazzo
- Cutback adhesive residue
- Do not apply directly over gypsum-based substrates, gypsum-based floor-patching compounds or lightweight concrete.

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

TECHNICAL QUICK REFERENCE

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

NA 500 with water

Pot life	About 10 minutes
Drying time required before installation of floor covering	60 to 90 minutes or once the material is completely dry
Compressive strength	
28 days (ASTM C109)	4,000 psi (27,6 MPa)
Shrinkage factor (28 days)	None
Cleanup	With water while fresh
Color	Gray
Shelf life	1 year when stored in original sealed container in a dry area and at room temperature

NA 500 mixed with NA 501

Pot life	8 to 10 minutes
Drying time required before installation of floor covering	60 to 90 minutes or once the material is completely dry
Shelf life	1 year when stored in original sealed container in a dry area and at room temperature
Packaging	NA 500 bag: 25 lbs. (11,3 kg) NA 501 jug: 1 U.S. gal. (3,79 L)

THICKNESSES AND APPROXIMATE COVERAGES*

per 25 lbs. (11,3 kg)

1/16" (1,5 mm).....	50 to 70 sq. ft. (4,65 to 6,50 m ²)
1/8" (3 mm).....	25 to 35 sq. ft. (2,32 to 3,25 m ²)
1/4" (6 mm).....	10 to 13 sq. ft. (0,92 to 1,21 m ²)

NA 500 can be applied at thicknesses from featheredge to 1/2" (12 mm) when mixed with water. When mixed with diluted NA 501, NA 500 can be applied up to 1/4" (6 mm). When mixed with full-strength NA 501, NA 500 can be applied up to 1/8" (3 mm).

* Actual coverages may vary depending on the roughness of the substrate, method of application and use.

HEALTH AND SAFETY

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

PREPARATION

1. This product should be delivered to the jobsite at least 24 hours before use, and stored in the area where it will be installed.
2. Substrate, surface preparation products, adhesive and flooring must be between 50°F and 95°F (10°C and 35°C) before installing. This temperature range must be maintained during and after installation.
3. Surface must be dry, clean and free of dust, oil, grease, tar, paint, wax, curing agents, primers, sealers, release agents, old adhesive and any other substance that may prevent this adhesive from bonding properly. All supporting surfaces must be structurally sound.

NA 500

MIXING

1. Dry-mix the entire contents of the *NA 500* bag before mixing small batches with water for use over concrete or wood underlayment.
2. Use a ratio of 1 part liquid to 2-1/2 parts *NA 500* or 1 part liquid to 3 parts *NA 500*, depending on desired consistency.
3. Into a clean mixing container, pour liquid. Gradually add powder while slowly mixing. Do not add additional liquid.
Note: To increase the working time of *NA 500*, *NA 501* can be mixed diluted or full-strength. See *NA 501* Technical Data Sheet for dilution ratios.
4. Using a low-speed mixer (at about 300 rpm), mix thoroughly until it is smooth and lump-free. Avoid trapping air into the product or prolonged mixing because it will shorten the pot life. Avoid preparing more material than can be used within 8 to 10 minutes.
5. Wash hands and tools with water immediately after mixing.

NOTE: Two coats are required over noncushioned sheet vinyl, VCT, ceramic tile, cement terrazzo and cutback adhesive residue. First coat = *NA 500* mixed with full strength *NA 501*. Second coat = *NA 500* mixed with diluted *NA 501*.

APPLICATION

1. Because *NA 500* is a fast-setting material, it should not sit in the container too long. Spread paste onto the floor surface as quickly as possible after mixing.
2. Using a flat-edge steel trowel, fill, level, smooth and blend to create a flat even surface. Allow patch to dry completely. NOTE: For 2-coat applications, ensure that entire area is completely covered with first coat (minimum thickness = 1/16" [1,5 mm], maximum thickness = 1/8" [3 mm])
3. Apply 2nd coat using a flat-edge steel trowel. Fill, level, smooth and blend to create a flat even surface. Allow patch to dry completely. NOTE: For 2-coat applications, ensure that entire area is completely covered with second coat (minimum thickness = 1/32" [1 mm])
4. Wash hands and tools with water while material is still fresh.

PROTECTION

1. Protect existing expansion and control joints. Do not fill or cover expansion and control joints with patching compound.
2. Protect from excessive heat or drafty conditions during curing.
3. Protect from traffic, dirt or dust until final installation of floor covering.
4. Wait for *NA 500* mixture to completely dry before applying adhesive or installing a floor covering (material must be covered by a floor covering).

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.



North American
ADHESIVES®

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