



**North American**  
**ADHESIVES®**

# NA 600 Multi Patch™

## Versatile, High-Performance Concrete Patch



### PRODUCT DESCRIPTION

*NA 600 Multi Patch* is a fast-setting, versatile, cementitious material used for the patching of interior/exterior concrete surfaces including concrete floors, residential driveways, sidewalks and concrete pads. *NA 600 Multi Patch* minimizes jobsite turnaround time by setting fast for easy and cost-efficient patching of horizontal substrates before application of self-leveling underlayments.

### FEATURES AND BENEFITS

- Fast-setting; can be coated in as little as 2 hours
- Freeze/thaw-stable
- Highly versatile: Featheredge to 1.5" (3,8 cm) neat and up to 3" (7,5 cm) when extended in confined areas
- Natural gray to blend with existing concrete
- Ease of placement, with variable water ratios
- *NA 600 Multi Patch* is compatible with most sealers, integral pigments, dyes and concrete stains.

### USES

- For patching interior and exterior concrete floors
- For patching exterior concrete sidewalks and residential driveways
- For skimcoating, sloping, and elevation changes
- For matching finished concrete's natural gray color

### SUBSTRATE REQUIREMENTS

Thoroughly clean the surface of any substance that could interfere with the bond or the installation material including dirt, paint, tar, asphalt, wax, oil, grease, latex compounds, sealers, curing compounds, form release agents, laitance, loose toppings, foreign substances and adhesive residues. Concrete substrate and ambient temperatures must be between 41°F to 85°F (5°C to 29°C) before application. Temperatures must be maintained within this range for at least 4 hours after the installation of *NA 600 Multi*

*Patch*. If necessary, mechanically remove weak concrete surface down to solid concrete, meeting at least 175 psi (1,21 MPa) in tensile bond strength. Concrete substrate should have an International Concrete Repair Institute (ICRI) concrete surface profile (CSP) of #1 to #3. If *NA 600 Multi Patch* is being used for a final finished surface, repair all cracks in the substrate using conventional repair techniques before applying *NA 600 Multi Patch*. Use an appropriate North American Adhesives (NAA) product for crack repair (see the Technical Data Sheet for instructions). Concrete substrates should be saturated surface-dry (SSD).

### 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)

- Structurally sound, stable, clean, horizontal concrete surfaces, both interior and exterior

See NAA's "Surface Preparation Requirements" document at [www.na-adhesives.com](http://www.na-adhesives.com).

# NA 600

# Multi Patch™

## LIMITATIONS

- Not recommended for:
  - Installation over substrates containing asbestos.
  - Installation over standing water.
  - Use as a crack filler.
  - Mixing with cement or chemical admixtures.
- *NA 600 Multi Patch* can be applied from 41°F to 85°F (5°C to 29°C); follow hot- and cold-weather ACI guidelines when installing outside of this temperature range. Allow for extra curing time when temperatures are below 65°F (18°C).

## MIXING

Consult the Safety Data Sheet for safe-handling instructions.

1. Depending on the application and desired consistency, mix with 2.1 to 2.5 U.S. qts. (1,99 to 2,37 L) of water per 25 lbs. (11,3 kg) of *NA 600 Multi Patch*. Into a clean mixing container, pour the required amount of cool, clean potable water and mix while slowly adding powder. The mixing ratio must remain consistent. Do not overwater material.
2. Mix with a medium-speed drill (at 550 to 800 rpm) with a box paddle or other appropriate paddle for at least 2 to 3 minutes, ensuring a lump-free consistency.
3. For uses greater in depth than 1.5" (3,8 cm), *NA 600 Multi Patch* can be extended up to 30% with clean, 3/8" (10-mm) pea gravel.
4. Do not mix more material than can be applied in 15 to 20 minutes.

## APPLICATION

1. Read all installation instructions thoroughly before installation. Always use proper industry standards for best results.
2. Immediately after mixing, pour *NA 600 Multi Patch* onto the surface and bring it to elevation by the desired application techniques.
3. When *NA 600 Multi Patch* is being used as a final wear surface, apply an appropriate finish (such as a broom finish) shortly after *NA 600 Multi Patch* has been placed.
4. When rain is expected, do not apply before sealing the surface or until the product is well-cured.
5. *NA 600 Multi Patch* can be covered with a NAA leveler, tile-setting materials and other adhesives in as soon as 2 hours (depending on temperature) after application. Wood floors and moisture-sensitive adhesives can be used over *NA 600 Multi Patch* in as soon as 16 hours.

## EXPANSION AND CONTROL JOINTS

- Honor all expansion and control joints. Cut them as soon as *NA 600 Multi Patch* has cured hard enough to walk on without damaging the surface.
- Do not allow *NA 600 Multi Patch* to bridge any moving expansion joint.

## CURING

- *NA 600 Multi Patch* is self-curing; do not use a damp-curing method.
- When *NA 600 Multi Patch* is left as an exposed wear surface, seal it with a water-based sealer as soon as 3 hours after the material dries (when temperatures are above 70°F [21°C]). If a solvent-based sealer is used, allow the *NA 600 Multi Patch* application to dry for 7 days before applying the sealer.
- Avoid walking on the installed surface for at least 1 hour after installation, depending on temperature and humidity conditions.

## CLEANUP

- Wash hands and tools with water promptly before material hardens. Cured material must be mechanically removed.

## PROTECTION

- Protect the installation from traffic, dirt and dust and moisture until *NA 600 Multi Patch* is cured.
- Protect the installation from rain and fluid for 24 hours after application, and from freezing 24 hours after application.
- Do not expose *NA 600 Multi Patch* to rolling loads for at least 24 hours after installation.

Note: Cooler conditions require longer curing times for the installation before exposure to significant traffic can be permitted. Test all surface treatments on a small sample area, before application, to ensure the desired results.



<b>Product Characteristics</b>	
at 73°F (23°C) and 50% relative humidity	
Color	Natural gray
Product composition, before mixing	Powder
Packaging Bag: 25 lbs. (11,3 kg)	Product code #1190211NA
VOCs (Rule #1168 of California's SCAQMD)	0 g per L
Shelf life	1 year when stored in original, unopened packaging in a dry area
Open time*	5 to 20 minutes after applying
Pot life*	15 to 20 minutes
Initial set	35 to 40 minutes
Final set	50 minutes
Drying/curing time*	16 hours

\* Open time, pot life and dry/cure times vary based on jobsite conditions.

<b>Product Performance Properties</b>	
Laboratory Tests	Results
Compressive strength – ASTM C109	
4 hours	> 1,650 psi (11,4 MPa)
24 hours	> 2,700 psi (18,6 MPa)
7 days	> 3,700 psi (25,5 MPa)
28 days	> 4,000 psi (27,6 MPa)
Flexural strength – ASTM C348-02	
28 days	> 1,200 psi (8,28 MPa)

<b>Approximate Coverage**</b>	
Amount of Product at 1/4" (6 mm) Thickness	Coverage
25 lbs. (11,3 kg)	10 to 12 sq. ft. (0,93 to 1,11 m <sup>2</sup> )

\*\* Coverage shown at maximum water is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and setting practices.

<b>Industry Standards and Approvals</b>	
LEED v3 Points Contribution	LEED Points
MR Credit 4, Recycled Content***	Up to 2 points
IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants	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.

# NA 600 Multi Patch™



**North American**  
**ADHESIVES®**

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

© 2016 MAPEI Corporation  
All Rights Reserved.  
Printed in the USA.

Edition Date: May 13, 2016

**Canada**

1-844-410-1212

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](http://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.**

PR: 5407 MKT: 16-1533