



North American
ADHESIVES®

NA 220

Concrete SL Primer

Acrylic Latex Primer for Concrete



PRODUCT DESCRIPTION

NA 220 Concrete SL Primer is a concentrated, solvent-free acrylic primer that is used before the installation of underlayment materials. It is green for easy identification. *NA 220* improves the bond between a properly prepared and profiled concrete substrate, and self-leveling underlayment. *NA 220* can also be used as a primer for gypsum-based underlayments and patches.

FEATURES AND BENEFITS

- Easy application and quick-drying
- Low odor and low VOCs
- Tinted green for easy coverage identification

USES

- When applying a self-leveling underlayment on a properly prepared and profiled concrete surface
- When priming the surface of poured gypsum underlayment materials and screeds/mortar beds
- In between layers of North American Adhesives (NAA) self-leveling underlayments
- Interior residential (apartments, condominiums and homes)
- Interior commercial (office buildings, hotel rooms and hallways, restaurants and cafeterias)
- Interior heavy commercial (hotel lobbies, convention centers, airports, shopping malls, grocery stores and department stores)
- Interior institutional (hospitals, schools, universities, libraries and government buildings)

SUBSTRATE REQUIREMENTS

Thoroughly clean the surface of any substance that could interfere with the bond of the installation material, including dirt, paint, tar, asphalt, wax, oil, grease, latex compounds, sealers, curing compounds, form release agents, laitance, foreign substances and adhesive residue. Prepare concrete surfaces according to subfloor preparation requirements of the underlayment or

patching compound to be applied. Consult Technical Services for installation recommendations regarding substrates and conditions not listed.

SUITABLE SUBSTRATES (properly prepared)

- Properly prepared, sound, dimensionally stable, fully cured concrete at least 28 days old with a tensile strength of at least 175 psi (1,21 MPa), as well as properly prepared and fully cured cement mortar beds and cement screeds
- Gypsum-based underlayments or patches that are dry, intact, well-bonded, stable and free of existing cracks

See NAA's "Surface Preparation for Tile and Stone Installations" document or "Surface Preparation for Wood-Flooring Installations" document at www.na-adhesives.com.

LIMITATIONS

- Do not install over substrates containing asbestos.
- For moisture limits on this primer, refer to the moisture limits of the product to be applied over it.
- Use only when the ambient and substrate temperatures are between 50°F and 90°F (10°C and 32°C). For temperatures above 85°F (29°C), follow ACI hot-weather application guidelines. Allow at least 3 hours of drying before applying an underlayment (ACI 305-R10 and ACI 305-R90).
- In all cases, the surface temperature of the prepared concrete slab must be at least 5 degrees F (2,8 degrees C) above the dew point to avoid condensation on the concrete surface as *NA 220* dries.
- The maximum open time to recoat or to apply the underlayment or patch is 18 hours.
- Do not use on on-grade slabs that are subject to freeze/thaw cycles.

MIXING

Consult the Safety Data Sheet for safe-handling instructions.

1. Dilute 1 part of *NA 220* with 3 parts of clean potable water. Do not use *NA 220* at full strength or any other dilution ratios.
2. Mix using a low-speed mixer and a Jiffy mixing paddle. Do not mix at high speeds, which may cause product foaming.

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APPLICATION

Read all installation instructions thoroughly before installation.

1. Pour the mixed primer onto the substrate and work it into the surface using a push broom or brush. Do not use a roller to apply. Do not puddle. Additional coats may be required upon visual inspection over extremely porous concrete.
2. Allow the material to dry for about 3 hours at 73°F (23°C) until it has turned into a green, transparent film (with no milky spots). Lower substrate temperatures and/or higher humid conditions could extend the drying time.
3. The maximum open time between coats or before applying a leveler is 18 hours. Re-apply a second coat if the dried NA 220 remains uncovered longer than 18 hours.

CLEANUP

- Clean equipment immediately with water. Mineral spirits may be used to remove primer that has dried on tools.

Product Characteristics	
at 73°F (23°C) and 50% relative humidity	
Color	Green
Packaging	Jug: 1 U.S. gal. (3,79 L); 2 jugs per case
VOCs (Rule #1113 of California's SCAQMD)	34 g per L
Shelf life	2 years when stored in original, unopened packaging in a dry, covered location
Polymer type	Acrylic

Drying time	About 3 hours
VOCs (Section 01350 of California's CDPH)	Passed
Consistency	Pourable liquid
Temperature range for application	50°F to 90°F (10°C to 32°C)

CSI Division Classification	
Cast Underlayment	03 54 00

Approximate Coverage*	
Size	Coverage
1 U.S. gal. (3,79 L) solution of 3 parts water to 1 part primer	600 to 800 sq. ft. (55,7 to 74,3 m ²)

* Coverage depends on the profile and porosity of the substrate.

Industry Standards and Approvals	
LEED v4 Points Contribution	LEED Points
Health Product Declaration (HPD)**	Up to 2 points
Additional Green Certifications	
CRI Green Label Plus #GLP02542. Refer to the CRI's Website at www.carpet-rug.org for additional information.	

** 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.

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.**