



nora[®] patch

Product Description:

nora[®] patch is a fast-setting, latex-fortified, Portland cement-based patch for interior use prior to the installation of nora[®] rubber flooring only. This product may be used from featheredge up to 1 inch thick in one application. Flooring can be installed typically in as little as 15 – 20 minutes over suitable porous concrete or wood subfloors without the requirement of priming.

nora systems, Inc. is approved by Lloyd's Register Quality Assurance to the Quality Assurance Management System Standard ISO 9001:2000. Also ISO 14001 Environmental Management Systems Certified.

All nora[®] products are intended for indoor use only, by professional floor installers. In high stressing commercial and industrial sectors; e.g. hospitals, schools, airports, shopping centers, underfloor heating and castor chair traffic etc., nora patch shall only be used under nora flooring.

Technical Data:

1. Packaging: 3.5 gallon white mixing pail with 2 x 10 lb bags
2. Pallet size: 48 units
3. Color: Grey
4. Shelf life: 1 Year
5. Storage: Keep dry in moderate cool conditions
6. Protect from Freezing: No
7. Pot life: 15 – 20 minutes at 72°F (22°C).
8. Moisture tolerance: Maximum %RH shall be the same as the adhesive being used when tested following the protocol of ASTM F2170 using Wagner Rapid RH probes
9. VOC content: VOC content is 0 grams/liter; product is in compliance with the SCAQMD Rule 1168 Standard for Substrate Specific Applications for Porous Material, which has a VOC limit of 50 grams/liter
10. LEED contribution: nora patch is in compliance with the VOC limits of SCAQMD Rule 1168 required by LEED and can contribute to LEED Credit 4.1-Low Emitting Materials, Adhesives & Sealants. MR Credit 5, Regional Materials up to 2 points
11. Warranty: The terms of the Limited Warranty can be obtained at www.nora.com/us
12. Application: Metal straight edge finishing trowel
13. Mixing ratio: 2.5 quarts of water / 10lb bag, 1 part water / 2 parts powder
14. Priming: Yes, nora primer on suitable non-porous substrates including nora membrane
15. Coverage per 10lb bag: 200 – 300 square foot per 10 lb bag (skim coat).
16. Working temperature: 50°F – 95°F (10°C – 32°C)
17. Radiant heating: Yes. Contact the nora Technical Department
18. Cure / Dry time: 30-90 minutes, depending on thickness, porosity, temperature and humidity
19. Castor chairs: After 5 days
20. Extreme heavy rolling loads: After 5 days

Conditioning:

The nora patch and the area to receive it shall be fully enclosed, weather tight and climate controlled at 50°F – 95°F (10°C – 32°C) for 48 hours prior to the installation and 48 hours after application. The ambient temperature and relative humidity will directly affect the drying time.

Subfloor Preparation:

Follow the detailed nora Installation Guide. It is the responsibility of the flooring contractor to ensure the suitability of the substrate. For concrete substrates, test per ASTM F2170 – Standard Test Method for Determining Relative Humidity in Concrete Slabs Using *in situ* Probes, using Wagner Rapid RH probes only. The results shall not exceed the maximum allowable for the selected nora adhesive. Substrate shall be dry, clean (without any contaminants or bond breakers) and structurally sound as per ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring, and primed first with nora primer if going over nora[®] membrane or other suitable non-porous substrates following the directions on the label.

On and below grade slabs shall have a confirmed permanently effective vapor retarder directly under the concrete. Alternatively the nora membrane shall be used first, following the Installation Guide. Concrete substrate shall have finished shrinking curling, cracking or moving in any way prior to the application of nora patch. nora systems, Inc. accepts no liability for a failure or complaint due to cracking, shrinking, curling or slab movement of any kind. They shall be free of dust, solvents, paint, wax, varnish, oil, grease, asphalt, old adhesives, and other extraneous materials that may interfere with the bond. These shall be completely removed by mechanical means only to remove contaminates and bond breakers. All local, state and national regulations shall be followed.

The RFCI (Resilient Floor Covering Institute) "Recommended Work Practices for Removal of Resilient Floor Coverings" are a defined set of instructions addressed to the task of removing all resilient floor-covering structures including adhesive and adhesive residues. For more information contact RFCI directly at www.rfci.com or 706-882-3833.

When concrete slabs have or are suspected of having ASR (Alkali Silica Reaction) present, do not use this product. Contact the nora Technical Department for recommendations.

Wood Substrate:

All wooden subfloors shall be a minimum thickness of 1 1/4 inch and double sheeted with overlapping joints using APA (American Plywood Association) underlayment grade plywood, installed as per ASTM F1482 Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring and nora Installation Guide.

Other Subfloors:

Please contact the nora Technical Department for any fire retardant surfaces or specific recommendations regarding all other substrates. Do not install over oriented strand board (OSB), particleboard, masonite, lauan, or similar unstable substrates. If any doubt exists, then bond tests shall be performed to confirm a very good bond of the entire system.

Dormant Saw Cuts, Crack Inducers and Cracks (>1/32"):

Do not install over moving cracks. For permanently dry slabs and without heavy rolling loads, nora patch may be used. Remove all saw laitance, dirt, debris, coatings, sealers, and visible moisture from the dormant saw cuts. Use a suitable dustless concrete saw with a diamond blade or similar to achieve this. For deep joints, a backer rod a (minimum of 1/2 inch down) may be used prior to filling. If the moisture level is too high or for extreme rolling loads, do not fill these with nora patch only; use the nora membrane following the crack repair method.

Expansion Joints:

These shall not be covered or overlaid with any nora product. Use an industry standard expansion joint assembly.

Priming:

When using nora patch directly over nora membrane apply undiluted nora® primer first following the directions on the label and the Installation Guide, nora patch can typically be applied within 2 to 4 hours (maximum of 24 hours). Drying times will vary depending on porosity of surface, temperature and humidity. If exceeded, re-apply a second, undiluted coat and install underlayment within correct application window. If application window is missed again, remove primer mechanically and start the installation on clean substrate.

Mixing:

Always add powder to the pre-measured water and do not over water. Use 1 bag of powder with 2.5 quarts of cold clean water, or 2 parts powder to 1 part of water. Mix to a creamy, smooth, lump-free consistency using a suitable drill and paddle in the supplied bucket.

Application:

Use a steel finishing trowel held at a 45° angle, work patch into the surface filling all cracks and depressions in the substrate. "Key in" but do not over trowel to achieve a surface smooth enough for the flooring to be installed over to the satisfaction of the end user. Any lumps or ridges shall be smoothed either by light sanding when dry or the application of another layer of patch.

Other Limitations:

- Do not conduct ASTM F2170 testing if underfloor heating is present. Contact nora Technical Department.
- Do not use where hydrostatic pressure can occur.
- Do not install flooring until the nora patch is dry.
- Do not use as a wear surface.
- Do not use in areas of permanent moisture exposure.
- Do not apply directly over gypsum-based substrates or compounds.

- Do not install over substrates containing asbestos.

Clean Up:

Wash tools immediately with water.

Warning:

Do not sand, dry sweep, dry scrape, drill, saw, bead-blast, or mechanically chip or pulverize existing resilient flooring, backing, lining felt, asphalt "cutback" adhesive, or other adhesive. These products may contain asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the product is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content.

Various local, state and federal government agencies have regulations governing the removal of in-place asbestos-containing material. If you contemplate the removal of a resilient floor covering structure that contains (or is presumed to contain) asbestos, you must review and comply with all applicable local, state and federal regulations.

Precautions:

Keep out of reach of children. Keep container closed during storage. Avoid contact with eyes and skin or breathing in the dust. Use of protective gloves (rubber) and safety glasses and a suitable dust mask is recommended, do not swallow.

Disposal:

Disposal should be in accordance with local, state and national legislation. Do not allow liquid product to reach sewage system. Mix and let product residue harden in unopened container, then dispose of as construction waste. Empty packaging can be recycled after thorough and proper cleaning.

Important:

For more information please refer to the nora Installation Guide, MSDS (Material Safety Data Sheet) that must be read and fully understood prior to usage, available on www.nora.com/us.

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