



# nora<sup>®</sup> primer

## Product Description:

A single component, water-based non-flammable, non-corrosive primer that has acrylic polymers (non-hazardous). nora<sup>®</sup> primer is required to be used directly over the nora<sup>®</sup> membrane, prior to any nora<sup>®</sup> leveler or nora<sup>®</sup> patch being applied. It is also required prior to the application of the nora leveler on other approved substrates and used as part of the nora<sup>®</sup> pro install System.

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<sup>®</sup> 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 primer shall only be used under nora flooring

## Technical Data:

1. Bottle size: 2 Gallon (White bottles)
2. Packaging: 2 Bottles per box
3. Boxes per Pallet: 36 Boxes
4. Color: Off white
5. Shelf life: 2 years in an unopened container
6. Storage: 50°F – 95°F (10°C – 35°C), protect against freezing
7. Freeze / thaw: Stable per ASTM D7149
8. Flashpoint: > 212°F (100°C)
9. 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
10. VOC content: VOC content is 92 grams/liter; product is in compliance with the SCAQMD Rule 1113 Standard for Architectural Coatings, which has a VOC limit of 100 grams/liter for specialty primers
11. LEED contribution: nora primer is in compliance with the VOC limits of SCAQMD Rule 1113 required by LEED and can contribute to LEED Credit 4.2-Low Emitting Materials, Paints & Coatings. MR Credit 5, Regional Materials Up to 2 points
12. Warranty: The terms of the LIMITED WARRANTY can be obtained at [www.nora.com/us](http://www.nora.com/us)
13. Application: 3/8 inch short nap roller
14. Coverage: 300-800 square feet per gallon depending on substrate
15. Radiant heating: Yes, contact the nora Technical Department
16. Cure time: 2 – 4 hours depending on substrate and ambient conditions, must be tack free to the touch
17. Open time: Maximum 24 hours
18. Castor Chairs: After 72 hours
19. Heavy foot traffic: After 8 hours
20. Heavy rolling loads: After 72 hours
21. Wet cleaning: After 72 hours
22. Viscosity: 1400 cps

## Conditioning:

The primer and the area to receive the primer shall be fully enclosed, weather tight and climate controlled at 50°F - 95°F (10°C - 35°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.

## Concrete Subfloor Preparation:

Always follow the nora Installation Guide that are available on [www.nora.com/us](http://www.nora.com/us). Test following the protocol of ASTM F2170 – Standard Test Method for Determining Relative Humidity in Concrete Slabs Using *in situ* Probes, with Wagner Rapid RH probes only. Tested at the correct service temperature and ambient humidity, the maximum allowable shall be the same as the adhesive being used. If the test results exceed the limitations, the installation shall not proceed until the moisture level lowers to an acceptable level,

or use the nora membrane following the Installation Guide. Note: Making the subfloor surface porous and using the HVAC or Dehumidification systems with good air flow, in the correct conditions may help speed up the drying process, however, the rate at which the subfloor will dry cannot be confirmed.

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". Use only water based sweeping compounds or a suitable vacuum cleaner as required.

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 directions. Concrete substrate shall have finished shrinking curling, cracking or moving in any way prior to the application of nora leveler. 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. 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](http://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.

For applications direct to the nora membrane it shall be tack-free (typically 2-4 hours).

#### Other Substrates:

For all other substrates please contact the nora Technical Department. If any doubt exists then bond tests shall be performed to confirm a very good bond of the entire system.

#### Mixing:

- Over non porous surfaces: Apply nora primer undiluted. (no water or mixing required.)
- Over porous, absorbent surfaces (profiled concrete): Dilute nora primer with water from 1:1, mix in a separate clean container with a low-speed mixer (at about 300 rpm) and paddle to a homogenous consistency. Do not mix at high speeds, which may cause product foaming.
- Over gypsum substrates: Contact the nora Technical Department immediately.

Note: If product has been allowed to freeze, it must be fully thawed to a liquid state and mixed with a suitable drill and paddle before proceeding. Check the production date, and if expired do not use.

#### Application:

For smooth substrates apply using a 3/8" (10 mm) nap roller, for rough substrates ( $\geq$  CSP 3) use a clean broom. Ensure a complete, thin film of product, without puddles or voids. Note: Two applications will be required for porous substrates. nora leveler or patch can typically be applied at about 2 to 4 hours when tack free and within a maximum of 24 hours. If exceeded, re-apply a second, un-diluted coat and install underlayment within 24 hours. If that's missed again, remove primer mechanically and start again.

#### Other Limitations:

- Only for indoor use under nora flooring by professional installers.
- Check the production date, if expired do not use.
- Contact nora Technical Department if underfloor heating is present.
- Do not install over any substrates containing asbestos.
- Do not acid-etch surfaces before applying nora primer
- Protect from freezing, if frozen, thaw and mix prior to use.
- Insufficient primer may cause pinholes or de-lamination of the leveler or patch.

#### Clean Up:

Immediately clean all tools and equipment with soap and water or a mild solvent. Once cured this material can only be mechanically removed which may damage some surfaces.

**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:**

May cause eye, skin and respiratory tract irritation. Use of protective gloves (rubber) and safety glasses is recommended. Wash hands after handling and before eating, do not swallow. Empty product container may contain product residue. Do not reuse empty product containers. Keep out of reach of children.

**Disposal:**

Disposal should be in accordance with local, state and national legislation. Do not allow liquid product to reach sewage system. 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](http://www.nora.com/us).

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