

NobleBond EXT

Installation Instructions

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1. PRODUCT DESCRIPTION

1.1 NobleBond EXT is an ultra-high solid, ready-to-use, nonflammable, “0” VOC adhesive. NobleBond EXT is formulated for exterior or interior applications to provide a water resistant, high-strength bond over wood and concrete substrates. NobleBond EXT is protected with MicroSept™, a patented anti-microbial agent to inhibit the growth of mildew and bacteria in its wet or dry state. Use to bond NobleSeal® and Noble Deck™ sheet membranes for waterproofing, crack isolation/joint bridging, and sound reduction. This adhesive is for specific exterior or interior installations on horizontal or vertical substrates with NobleSeal sheet membranes.

1.2. NobleBond EXT should not be used in the following applications: steam rooms, wet areas with standing water (e.g.; pools, fountains, etc.), or to bond or set tile.

2. SUITABLE SUBSTRATES

2.1 All substrates must conform to current American National Standards Institute (ANSI) standards and Tile Council of North America (TCNA) recommendations.

Suitable Substrates include concrete, cured mortar beds, cementitious backer boards, primed gypsum underlayments, and plywood*, above, on, or below grade, in the absence of excessive moisture and/or alkali. See 3.1 for moisture test.

Substrates should be flat, structurally sound, dry, and free from paint, dust, dirt, oil, grease, or any other material that may inhibit the bond. Concrete slabs must be fully cured. Substrates with adhesive residue or moisture transmission concerns must be tested and may require additional preparation or priming.

NOTES: *Plywood must conform to tile industry standards. Do not use NobleBond EXT on pressure treated wood. Exterior decks made of plywood require modifications (see Noble Deck Installation Instructions 4.4.b).

Impervious substrates, e.g., sheet vinyl, vinyl tile, Terrazzo (cement or epoxy), steel troweled concrete, sealed concrete, and metal, may also be suitable but require additional preparation. Test to determine if scarifying is necessary to obtain required bond. NobleBond EXT is also suitable for use with radiant heating systems (electronic and hydronic). Contact Noble Company for specific project information.

3. PREPARATION

Substrate should be flat. If not flat, use appropriate patching product. Remove curing compounds, surface hardeners, and floor coatings that may affect the bond of the adhesive. Mechanical surface profiling is the preferred floor preparation method. Mechanically profile the floor to medium sandpaper texture. Acid etching is not recommended. Concrete substrates must be tested for moisture emissions and pH.

3.1 Substrate moisture should have relative humidity under 85% per ASTM F2170 or up to 4 lbs./1000 sf/24 hours as measured by Anhydrous Calcium Chloride test per ASTM F1869.

3.2 pH must be between 5 and 9.

3.3 If either of these parameters are not met, the condition(s) must be corrected prior to using NobleBond EXT.

3.4 Coverage varies on porosity and condition of the substrate, trowel size, and trowel angle. NobleBond EXT will generally provide between 75-90 sq. ft. per gallon.



4. ADHESIVE APPLICATION

4.1 Apply adhesive evenly with a $\frac{3}{32}$ " x $\frac{3}{32}$ " x $\frac{3}{32}$ " V-notch trowel.



4.1.a On porous or rough substrates, more adhesive (i.e., larger trowel) will be required to achieve 100% adhesive transfer. Also, more "tack" time will be required and the coverage rate will decrease. Comb adhesive in parallel lines so air is not trapped.

NOTE: Do not fill depressions with NobleBond EXT.

Adhesive will become "tacky" to the touch but still transfer to the sheet. Bond strength will increase with time making it more difficult to reposition the NobleSeal sheet. Variables such as temperature, humidity, and air flow also affect the curing time. Do not allow adhesive to "skin" over. If NobleBond EXT has dried before placement of the membrane, apply additional adhesive to "re-wet" the initial application.

Wood Floor Surfaces - follow industry standards and installation guidelines of the wood flooring manufacturer.

4.1.b Allow 5-20 minutes for adhesive to tack. This time will vary with changes in temperature, humidity, moisture, and porosity of the slab. If conditions are questionable, test a small area to determine proper tack time.

5. SHEET INSTALLATION

Embed sheet with firm pressure or a 75-100 lb. roller to insure 100% adhesive transfer to bottom of sheet. Periodically check to ensure that adhesive transfers to sheet from substrate. Roll membrane from center out toward edges. Check to ensure the sheet is securely bonded. Re-roll if necessary.

5.1 In the event that air is trapped under the sheet and cannot be removed, puncture sheet and press down. In wet areas, repair puncture with a patch sealed with NobleSealant.

5.2 Protect NobleSeal sheet from damage.

NOTE: For any application not included in these instructions, contact the supplier or Noble Company before using.

6. SPECIFIC DATA

6.1 **Low Temperature.** Use, storage, transportation, jobsite, substrate, and adhesive must be at least 65°F for 24 hours prior to and after installation. Lower temperatures may cause adhesive to "ball" and not spread. Use auxiliary heaters for this purpose.

PROTECT FROM FREEZING.

6.2 **High Temperature.** Maximum 100°F Ambient. May require shade or cooling to achieve recommended temperature range. Higher temperatures will cause reduction in open time.

6.3 Any situation not specifically stated herein must be approved by Noble Company in writing.

7. CLEANING

Use sponge and warm soapy water while adhesive is wet. If dry, use mineral spirits or citrus-based solvent. Follow warnings on label.

8. TILE INSTALLATION

Ceramic tile can be installed on the NobleSeal sheet upon completion of the steps listed above (3, 4, and 5). Allow tile bond coat and grout to cure before allowing heavy traffic. Tile should be installed following mortar manufacturer and TCNA recommendations.

CAUTION: NobleBond EXT is not to be used to set or bond tile.

9. WARRANTY

These suggestions and data are based on information Noble Company believes to be reliable. Users should verify by tests that NobleBond EXT, as well as these installation methods, are suitable with the products being used in their application. Since specific use, materials, and handling cannot be controlled by Noble Company, warranty is limited to the replacement of defective Noble Company products. Noble Company disclaims any warranties of merchantability and fitness for purpose, verbal recommendations of its representatives, and consequential damages.