



# 1171N SURELOCK™

## Acrylic Urethane Wood Flooring Adhesive

**Use for installing solid wood, engineered wood plank, wood parquet flooring and cork sheet underlayment that are recommended for glue-down installation**

- High solids Acrylic-Urethane
- Excellent initial grab
- Fast strength development
- High ultimate bond strength & elongation
- Enhanced moisture & alkali resistance
- Anti-microbial product protection



**Solid Wood more than 7/16" thick;  
Engineered Wood Plank**  
V-Notch 1/4" D x 3/16" W x 5/16" A  
180-220 sq. ft./4 gal. (16.7-20.4 m<sup>2</sup>/15.14 L)  
45-55 sq. ft./1 gal. (4.1-5.1 m<sup>2</sup>/3.78 L)



**Cork Sheet Underlayment**  
Sq-Notch 1/16" D x 1/16" W x 1/16" A  
460-500 sq. ft./4 gal.  
(42.7-46.4 m<sup>2</sup>/15.14 L)  
115-125 sq. ft./1 gal.  
(10.6-11.6 m<sup>2</sup>/3.78 L)



**Thin-gauged Solid Wood 7/16" thick or less**  
V-Notch 1/4" D x 3/16" W x 1/2" A  
300-340 sq. ft./4 gal. (27.8-31.5 m<sup>2</sup>/15.14 L)  
75-85 sq. ft./1 gal. (22.8-7.8 m<sup>2</sup>/3.78 L)



**Parquet**  
Sq-Notch 3/32" D x 3/32" W x 3/32" A  
280-320 sq. ft./4 gal. (26-29.7 m<sup>2</sup>/15.14 L)  
70-80 sq. ft./1 gal. (6.5-7.4 m<sup>2</sup>/3.78 L)



**Parquet**  
U-Notch 3/32" D x 1/8" W x 1/8" A  
280-320 sq. ft./4 gal. (26-29.7 m<sup>2</sup>/15.14 L)  
70-80 sq. ft./1 gal. (6.5-7.4 m<sup>2</sup>/3.78 L)

# HENRY® 1171N

## Acrylic Urethane Wood Flooring Adhesive

### Description

HENRY® 1171N SureLock™ is a high-solids, acrylic-urethane adhesive used for almost all types of interior wood flooring that are recommended for glue-down installations. HENRY® 1171N is extremely moisture resistant and has excellent ultimate bond strength while maintaining the elongation characteristics necessary to allow for some wood movement. This new generation wood adhesive builds strength early and has immediate grab to prevent cupping, peaking and end lifting during installation. Please be aware, however, that an adhesive cannot compensate for boards that are curled or warped prior to installation.

### Use For

Solid wood up to 3/4" thick and 5" wide, parquet up to 5/16" thick, engineered wood plank up to 3/4" thick and 7-1/2" wide\*, and cork sheet underlayment.

**Note:** Use only for flooring structures that are recommended for glue-down installation. \*Use for engineered plank greater than 5" wide only if flooring manufacturer does not require moisture-cured urethane or silane type adhesives.

### Bonds To

Refer to the wood flooring manufacturer's specific recommendations for suitable substrates.

- **Porous:** Concrete, cementitious underlayments, APA grade underlayment plywood, and radiant heated subfloors where temperatures do not exceed 85°F (29.4°C) on all grade levels. Can also be used over properly primed gypsum underlayments (above-grade only).
- **Non-porous:** Cork sheet underlayments, existing well-bonded, non-cushioned vinyl tile and sheet flooring.

### Preparation

- Refer to the wood flooring manufacturer's specific recommendations.
- Acclimate the installation area, adhesive and flooring in an enclosed building at a minimum of 65°F (18°C) for at least 48 hours before, during, and for 48 hours after installation.
- Substrate must be sound, smooth, flat, clean, dry and free of excess moisture and alkali. Mechanically remove dirt, wax, grease, paints, oils, sealers, curing compounds and all foreign matter that would interfere with proper adhesion. Fill all cracks, holes and low spots with a polymer modified, cementitious patching or leveling compound. Please note that when removing existing flooring, any asbestos-containing materials should be handled and disposed of in accordance with applicable federal, state and local regulations.
- Whereas this adhesive is moisture resistant, the wood flooring must be protected from excessive moisture. Always run moisture and alkali tests for concrete on any grade level. For accurate results, curing agents must be removed in areas where tests will be run. Moisture test results should meet the wood manufacturer's recommendations, but should not

exceed 3 lbs./1000 sq. ft/24 hrs. as determined by the calcium chloride moisture test (ASTM F1869), or 85% RH as determined by the relative humidity test method (ASTM F2170). Alkali readings should be a maximum pH 10.

### Installation

Follow the flooring manufacturer's guidelines for layout and design. Stir any liquid found on the surface into the adhesive, and apply adhesive using the proper trowel. Do not spread more adhesive than can be covered within 45 - 60 minutes, depending upon temperature and humidity.

- **Thin gauge solid wood (7/16" or less) on porous substrates:** Allow the adhesive to set open 20 minutes before installing the wood flooring.
- **Other approved wood on porous substrates:** Allow the adhesive to set open approximately 10 minutes before installing the wood flooring.
- **Non-porous Substrates:** Longer open times may be necessary.

Do not allow a heavy film to form on surface of the adhesive. If the adhesive dries or skins over, it must be scraped up, and fresh adhesive needs to be applied. Press the wood flooring down firmly, lifting a piece occasionally to be sure the adhesive is achieving 100% transfer and bonding to the back of the flooring. Following the wood manufacturer's recommendations and industry standards, leave adequate space around the room perimeter of room and stationary objects for normal wood flooring expansion. Roll floor with a heavy roller if recommended by the wood flooring manufacturer. Allow the installation to set overnight before exposing to traffic or applying finish.

### Clean Up

Remove wet adhesive residue with a clean, white cloth dampened with soapy water. Use mineral spirits for dried adhesive residue, carefully following warnings on the container. When using mineral spirits, test a small area before proceeding to make sure it does not damage the surface being cleaned.

### Warranty

Henry's Best 10-Year Limited Warranty. Also eligible for the ARDEX/HENRY SystemOne Warranty when used in conjunction with select ARDEX Engineered Cements. For complete warranty details please contact our Customer Service Center 1-800-232-4832.

### Notes

Do not reuse container. Dispose of container and adhesive residue in accordance with federal, state and local waste disposal regulations. Do not flush adhesive down drains.

- FOR PROFESSIONAL USE ONLY
- Freeze/Thaw Stable to 10°F (-12°C). Avoid low temperatures or multiple freeze/thaw cycles
- Shelf life is one year if unopened
- VOC content: 25 g/L; calculated & reported, SCAQMD 1168

### Precautions

Contains VM&P Naptha. May cause eye, skin and respiratory irritation. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or dust. Wash thoroughly after handling. Keep container tightly closed. Use only with adequate ventilation. KEEP OUT OF REACH OF CHILDREN. Carefully read and follow all cautions and warnings on the product label, and refer to the Material Safety Data Sheet for complete safety information ([www.wwhenry.com](http://www.wwhenry.com)).

## **IMPORTANT TECHNICAL UPDATES**

---

**Technical update effective 10-16-18:**  
ARDEX / HENRY Adhesives and Gypsum Substrates

Made in the USA.  
© 2020 ARDEX, L.P. All rights reserved.  
Content updated 08-13-2020. Published 10-16-2018. Supersedes all previous versions. Check [www.ardexamericas.com](http://www.ardexamericas.com) for most recent version and for technical updates, which may supersede the information herein.

HT141- 08/2020

---

ARDEX Americas  
400 Ardex Park Drive  
Aliquippa, PA 15001 USA  
724-203-5000  
888-512-7339  
[www.ardexamericas.com](http://www.ardexamericas.com)