



# HENRY® 971 EZ Plus+

## Moisture-Cured Urethane Wood Flooring Adhesive

For engineered and solid wood flooring planks, also suitable for recycled-rubber underlayment and cork underlayment

Up to 100% RH\* moisture resistant, depending on selected trowel-notch

One-coat application, that trowels more easily than other urethane adhesives

Non-slump formula with excellent strength development

For above-, on-, and below-grade installations



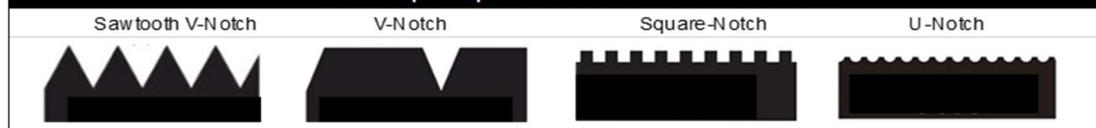
### Recommended trowels:

Coverage rates listed are guidelines, it is the responsibility of the installer to apply enough adhesive based on the needs of the flooring and the condition of the substrate.



To use as Adhesive + Moisture Control, for:	Notch Shape, and Notch Depth x Width	Approx. Coverage 3.5 Gal. / 13.25 L
All engineered wood flooring planks	Saw tooth V-Notch 3/16" D x 1/4" W	122 Sq. Ft. / 11.3 Sq. M
Solid wood up to 5/8" plank thickness, all widths	Saw tooth V-Notch 1/4" D x 1/4" W	105 Sq. Ft. / 9.7 Sq. M
To use as (only) Adhesive, for:	Notch Shape, and Notch Depth x Width x Space Apart	Approx. Coverage 3.5 Gal. / 13.25 L
All engineered wood flooring planks	V-Notch 1/4" D x 3/16" W x 1/2" A	175 Sq. Ft. / 16.2 Sq. M
Solid wood up to 5/8" plank thickness, and 3" wide or less	V-Notch 1/4" D x 3/16" W x 1/2" A or V-Notch 1/4" D x 3/16" W x 5/16" A	175 Sq. Ft. / 16.2 Sq. M
Solid wood up to 5/8" plank thickness, and more than 3" wide	Square-Notch 3/16" D x 3/16" W x 3/16" A	122 Sq. Ft. / 11.3 Sq. M
Parquet less than 3/4" floor thickness	Square-Notch 1/8" D x 1/8" W x 1/8" A	227 Sq. Ft. / 21 Sq. M
Cork underlayment	Square-Notch 1/16" D x 1/16" W x 1/16" A	437 - 647 Sq. Ft. / 40.5 - 60 Sq. M
2 mm Recycled-rubber underlayment	U-Notch 1/32" D x 1/16" W x 1/32" A	832 - 1,232 Sq. Ft. / 77.2 - 114.4 Sq. M
5 mm Recycled-rubber underlayment	Square-Notch 1/16" D x 1/16" W x 1/16" A	437 - 647 Sq. Ft. / 40.5 - 60 Sq. M

Notch shapes depicted below are not drawn actual size



Unit Sizes: 3.5-gallon pail / 13.25 L

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## Moisture-Cured Urethane Wood Flooring Adhesive

### Description:

A very easy to trowel, one-part, moisture-cured urethane adhesive designed for excellent strength development. Plus+ the ability to be used as one-coat protection against flooring damage from harmful concrete moisture vapor emissions. With proper notched trowel selection, calcium chloride or in-situ probe (RH) concrete testing, is not necessary.

### Use for:

**When the specific guidelines for installation from the flooring manufacturer allow for a glue-down installation, use HENRY® 971 EZ Plus+ to install the following:**

- Engineered wood flooring, no restriction on dimensions
- Solid wood flooring planks up to 5/8" in thickness
- Parquet wood less than 3/4" in thickness
- Recycled-rubber underlayment material
- Cork underlayment

### Dimensional Stability of Flooring Structures:

Some floor coverings may grow or shrink as a result of acclimation, handling and/or how the product was manufactured. Install representative test areas to determine the suitability of this adhesive to resist any dimensional change. Please note that ARDEX L.P. cannot be held responsible for installation issues caused by dimensional changes in flooring structures.

### Bonds to:

- Concrete
- Cementitious underlayments
- APA-grade underlayment plywood and OSB (untreated)
- Properly primed gypsum underlayment (above grade only)
- Existing terrazzo and ceramic tile (clean and residue-free)
- Radiant-heated subfloors not to exceed 85°F (29°C)

Refer to the specific recommendations of the flooring manufacturer for suitable substrates.

### Substrate Preparation:

Refer to the guidelines of the floor covering manufacturer for substrate preparation. 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 and flat in accordance with flooring manufacturer requirements. Ensure that the substrate is solid and fixed securely to provide a rigid base free of undue flex. All loose wood must be refastened to create a sound surface. Address rough unsmooth areas, cracks, holes, and levelling needs using patching or levelling materials with a minimum compressive strength of 3,000 psi (210 kg/cm<sup>2</sup>).

Substrate must be clean and dry. Mechanically remove dirt, wax, grease, paints, oils, sealers, curing compounds and all foreign matter that would interfere with proper adhesion. Please note that when removing existing flooring, any asbestos-containing materials should be properly handled and disposed of in accordance with applicable federal, state and local regulations.

**Moisture** – When the installer chooses to use the ‘Adhesive + Moisture Control’ installation procedure, calcium chloride or RH concrete testing is not necessary.

Alternatively, when the ‘Adhesive (only)’ installation procedure is chosen, it is the responsibility of the installer to determine that concrete moisture is less than 3 lbs./1,000 sq. ft./24-hours on a calcium chloride test (ASTM F1869), or less than 4.5 on a Tramex Concrete Moisture Encounter Meter, or 75% RH or less with in-situ probe testing (ASTM F2170). Wooden substrates must have a moisture reading of less than 12% or be no more than 4% different from the flooring being installed when tested using a wood moisture meter.

### Installation procedure:

Depending on the selected installation procedure, HENRY 971 EZ Plus+ may be used as a one-step adhesive that provides moisture control protection. Or alternatively the installer may choose to use this product as an adhesive only.

Follow guidelines from the flooring manufacturer and industry standards surrounding suitable installation methods and adequate space surrounding stationary objects and flooring perimeter.

## To use as Adhesive + Moisture Control

- Concrete must be on-grade or above-grade. Before beginning, verify that concrete is cured and surface dry.
- Apply adhesive using proper trowel, see *Recommended Trowels* section. Do not apply more adhesive than can be easily covered in up to 30 minutes.
- Do not allow the troweled adhesive to flash. Immediately lay planks into wet adhesive and firmly press to ensure adhesive transfer. Time available to lay in while adhesive is still wet will vary based on humidity, temperature, and porosity of the substrate. 100% adhesive coverage, free of any voids caused by low/high spots, is required for concrete moisture warranty to be in effect.
- Slippage may be reduced by securing starter row with wedges or fastened blocks. Planks that are not flat should not be installed or may be weighted down for at least several hours.

## To use as Adhesive (only):

- Concrete may be on-grade, above-grade or below-grade. Before beginning, verify that concrete or wooden substrates meet the moisture limitation requirements detailed in the *Substrate Preparation* section.
- Apply adhesive using proper trowel, see Recommended Trowels section. Do not apply more adhesive than can be easily covered in up to 90 minutes.
- Troweled adhesive may be allowed to flash. Time available will vary based on air humidity, temperature, and porosity of the substrate.

## After Installation:

Under normal conditions adhesive will reach its full strength in 24 to 48 hours. After installing unfinished wood planking, wait at least 2 days before beginning the wood finishing process. Protect all floor coverings when moving heavy appliances and/or when rolling loads are utilized.

## Clean Up:

Remove wet adhesive residue using mineral spirits. When using mineral spirits, carefully follow the recommendations of the manufacturer and test a small area before proceeding to make sure it does not damage the surface being cleaned. Once HENRY 971 EZ Plus+ is dry, it is extremely difficult to remove from any surface.

## Notes

FOR PROFESSIONAL USE ONLY.

VOC content: 79 g/L per SCAQMD Rule 1168.

Shelf-life is 12 months in original unopened container.

**Product is not affected by freezing.** Before using allow ample time for packaging contents to naturally acclimate at room temperature.

Dispose of packaging and residue in accordance with prevailing regulations. Do not flush material down drains. Do not reuse packaging.

## Warranty:

10-Year Limited HENRY'S BEST WARRANTY. Also, eligible for ARDEX Americas SystemOne™ Warranty when used in conjunction with select ARDEX substrate preparation and/or ARDEX moisture control products. Failure to follow written directions will void the warranty. For complete warranty details, visit [www.ardexamericas.com](http://www.ardexamericas.com).

HENRY flooring adhesives have a long-standing successful track record of use with a wide range of floor coverings. For uncommon or non-standard floor coverings, including floor coverings with recycled-content backings and/or floor coverings that are recommended for installation solely with epoxy, urethane, or silane adhesives, follow the advice of the flooring manufacturer. Contact the ARDEX Technical Service Department for further guidance.

As always, prior to installing any ARDEX or HENRY products we recommend installing an adequate number of properly located test areas, to include the selected floor coverings, to determine the suitability and aesthetic value of the products for their intended use. As floor coverings vary, always contact and rely upon the floor covering manufacturer for specific directives, such as maximum allowable substrate moisture content and intended end use of the flooring product.

## PRECAUTIONS:

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Safety Data Sheet (SDS) available at [www.ardexamericas.com](http://www.ardexamericas.com).

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Visit [www.youtube.com/ARDEX101](http://www.youtube.com/ARDEX101) to watch ARDEX product demonstration videos. For recommended installation tools, visit DTA USA at [www.dtausagroup.com](http://www.dtausagroup.com). For easy-to-use ARDEX Product Calculators and Product Information On the Go, download the ARDEX App.



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