

HENRY®

The Professional's Formula For Success™

422 FORTIFY

Wet-set vinyl-backed flooring adhesive



For commercial and residential installations of LVT & LVP, solid vinyl tile, plank, and vinyl-backed sheet flooring.

- Fiber-reinforced
- Wet-set/hard-set
- Reduced LVT and LVP slippage during install
- Reduced adhesive displacement (knee marks)
- Use with any vinyl-backed flooring goods (LVT and LVP, homogeneous, heterogeneous)

Suitable Uses

Recommended trowel sizes are guidelines only and are minimum requirements.



POROUS SUBSTRATES

1/16"D x 1/16"W x 1/16"A square-notch
468 - 540 sq. ft. / 4 gal. (43.4 - 50.1 sq. m / 15 L)
117 - 135 sq. ft. / gal. (10.8 - 12.5 sq. m / 3.79 L)
2.8 - 3.3 sq. m / L
Luxury vinyl tile & plank (LVT & P), solid vinyl tile (SVT) and vinyl-backed sheet flooring



NON-POROUS SUBSTRATES

1/32"D x 1/16"W x 5/64"A U-notch
900 - 960 sq. ft. / 4 gal. (83.6 - 89.1 sq. m / 15 L)
225 - 240 sq. ft. / gal. (20.9 - 22.2 sq. m / 3.79 L)
5.5 - 5.9 sq. m / L
Luxury vinyl tile & plank (LVT & P), solid vinyl tile (SVT) and vinyl-backed sheet flooring

GREENLINE
ENVIRONMENTAL TECHNOLOGY

systemONE
warranty

Sizes:

4 gal. (15 L) pail
1 gal. (3.79 L) pail

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HENRY® 422

Wet-set vinyl-backed flooring adhesive

Description

HENRY® 422 Fortify is a premium, high-strength adhesive with synthetic fibers for the permanent installation of vinyl-backed flooring. As a wet-set adhesive, HENRY 422 Fortify generates high, ultimate bond strength, and also builds strength quickly for challenging vinyl installations while preventing slippage of the flooring and minimizing adhesive displacement. Its versatility and overall performance make it suitable for all formats and sizes of vinyl-backed flooring, including vinyl tile, plank and vinyl-backed sheet.

Use For

Permanent commercial and residential installations of solid vinyl tile, vinyl plank, luxury vinyl tile and plank, vinyl stair treads, vinyl-backed carpet and carpet tile, and vinyl-backed resilient sheet flooring. Follow all flooring manufacturer-published procedures and installation instructions.

Bonds To

On all grade levels: concrete, well-bonded cementitious underlayments, APA-grade underlayment plywood (untreated), radiant-heated subfloors where temperatures do not exceed 85°F (29°C), terrazzo, ceramic tile, metal, certain epoxy coatings and existing, fully-adhered, non-cushion-backed resilient. Can also be used over well-bonded, properly primed gypsum underlayments (above-grade only).

Refer to the flooring manufacturer's specific recommendations for suitable substrates. Please note that all substrates must be sound, solid and well bonded

Preparation

Refer to the 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 and flat in accordance with the flooring manufacturer's recommendations. 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. Fill all cracks, holes and low spots with a polymer modified, cementitious patching or leveling compound. Patching and/or leveling materials must have a minimum compressive strength of 3,000 psi (210 kg/cm²).

Substrate must be 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. 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.

While this adhesive is moisture resistant, the flooring must be protected from excessive moisture. Always perform moisture and alkali tests for concrete on any grade level. Moisture test results should meet the flooring manufacturer's recommendations but should not exceed 85% RH as determined by the relative humidity test method (ASTM F2170). Alkali readings should be a maximum pH of 11.

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 HENRY 422 Fortify 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.

Installation

Follow the flooring manufacturer's guidelines for layout, design and suitable installation methods. Stir any liquid found on the surface into the adhesive, and apply the adhesive using the proper trowel.

- **Porous Substrates:** Spread the adhesive evenly on the substrate using a 1/16" x 1/16" x 1/16" sq. notch trowel. Allow the adhesive to remain open for 15 - 25 minutes. The working time will be up to 90 minutes, depending on temperature and humidity during installation.
- **Non-porous Substrates:** Spread the adhesive evenly on the substrate using a 1/32" x 1/16" x 5/64" U-notch trowel. Allow the adhesive to remain open for approximately 30 - 40 minutes, depending on temperature and humidity conditions. Working time may be up to 2 hours, depending on temperature and humidity conditions.

Do not allow a heavy film to form on the surface of the adhesive. If the adhesive dries or skins over, it must be scraped up, and fresh adhesive needs to be applied. After installation, roll the flooring with a 100 lb. roller across width and length, as recommended by the flooring manufacturer. Weight down seams as recommended by the flooring manufacturer. Adhesive must set overnight (min. 12 hours) before exposing to traffic. Protect all flooring installations when moving heavy appliances and/or when rolling loads are utilized.

Clean Up

Remove wet adhesive residue with a clean, white cloth dampened with soapy water. Use mineral spirits for dried adhesive residue. 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.

Warranty

10-Year Limited HENRY'S BEST WARRANTY. Also eligible for the ARDEX Americas SystemOne™ Warranty when used in conjunction with select ARDEX substrate preparation products. Failure to follow written directions will void the warranty. For complete warranty details, please visit www.ardexamericas.com.

NOTE:

FOR PROFESSIONAL USE ONLY.

Store adhesive at temperatures between 40 and 90°F (5 - 32°C). Do not freeze. HENRY flooring adhesives have a successful, long-standing track record of use with a wide range of floor coverings. HENRY flooring adhesives are intended for use with all common floor coverings for which standard, water-based adhesives are recommended. For uncommon or non-standard floor coverings, floor coverings with recycled-content backings and/or floor coverings that are recommended for installation with high-performance adhesives (epoxies, urethanes), follow the advice of the flooring manufacturer, and contact the ARDEX Technical Service Department for further guidance.

As always, prior to installing any ARDEX and/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.

Shelf life is 1 year, if unopened.

VOC: 0.8 g/L; SCAQMD

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

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.wwhenry.com.

IMPORTANT TECHNICAL UPDATES

Technical update effective 10-16-18:

ARDEX / HENRY Adhesives and Gypsum Substrates

Made in the USA.

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