

# HENRY®

The Professional's Formula For Success™

# 452

## General Purpose Epoxy Flooring Adhesive

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**For installing many types of flooring where wet operating conditions or heavy static or rolling loads exist.**

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- No open time, for quicker installation
- Excellent bond integrity ensures long-term performance
- Non-flammable
- Moisture and alkali resistant
- Allows installation on all grade levels of concrete



**For all applications**  
**U-Notch 1/32" D x 1/16" W x 5/64" A**  
225-275 sq. ft. / gal.  
5 – 6 sq. m. / L

**GREENLINE**  
ENVIRONMENTAL TECHNOLOGY

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The W.W. Henry Company  
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# HENRY® 452

## General Purpose Epoxy Flooring Adhesive

### Description

HENRY® 452 General Purpose Epoxy Flooring Adhesive is a high-strength adhesive for installing a wide range of flooring types, including vinyl composition tile (VCT), felt-backed commercial sheet, linoleum, rubber tile, most recycled rubber, rubber and vinyl stair treads and commercial homogeneous vinyl sheet where wet operating conditions or heavy static or rolling loads are present.

### Use For

Vinyl composition tile (VCT), felt-backed commercial sheet, linoleum, rubber tile, most recycled rubber, rubber and vinyl stair treads and commercial homogeneous vinyl sheet. Note: Many recycled rubber products contain chemicals that may inhibit bond integrity. If the composition of the recycled rubber product is unclear, conduct a bond test.

### Bonds To

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

- **Porous:** Concrete, cementitious underlayments, APA grade underlayment plywood (untreated) and radiant heated subfloors where temperatures do not exceed 85°F (29.4°C) on all grade levels.
- **Non-porous:** Existing resilient flooring, steel, stainless steel, aluminum, ceramic tile, terrazzo, marble and certain epoxy coatings.

### 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 securely fixed to provide a rigid base free of undue flex. All loose substrates must be re-nailed or bonded properly to create a sound surface. Cementitious patching and/or leveling materials must have a minimum compressive strength of 3,000 psi.
- 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. 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.
- Prior to applying adhesive to rubber stair treads, lightly sand the entire back of the tread and nosing, and wipe with denatured alcohol to remove any contaminants that may interfere with proper adhesion.
- 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 10.

### 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 a representative test area to determine the suitability of HENRY 452 to resist any dimensional change. Please note that The W.W. Henry Company cannot be held responsible for installation issues caused by dimensional changes in flooring structures.

### Installation

Follow the flooring manufacturer's guidelines for layout and design. Mix HENRY 452 Part A into HENRY 452 Part B. Full spread adhesive using recommended trowel. Do not spread more adhesive than can be covered within 60 minutes, depending upon temperature and humidity.

Before installing flooring, carefully read and follow open time instructions for individual flooring products. (For smaller installations, the mix ratio is 1:1 by volume.)

Set flooring immediately into wet adhesive.

If the adhesive dries, 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 a minimum of 24 hours before exposing to traffic. The flooring manufacturer's recommendations must also be observed. Do not wet wash or strip floor for 24 hours after installation.

### Clean Up

Carefully clean wet adhesive residue using a clean, white cloth dampened with soapy water, as dried adhesive cannot be removed.

### Warranty

1-Year Limited Warranty. Failure to follow written directions will void the warranty. For complete warranty details, please contact our Customer Service Center at 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 lower temperatures or multiple freeze/thaw cycles.
- Shelf life is 1 year, if unopened.
- VOC: 0 g/L, calculated and reported, SCAQMD 1168

### Precautions

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

Made in the USA by The W. W. Henry Company, Aliquippa, PA 15001

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