



HENRY® 650 R

Releasable

Pressure-Sensitive Adhesive

Delivers a truly releasable bond in the upward peel direction, while at the same time providing heavy commercial traffic-rated bonding strength in the lateral shear direction

99% RH moisture resistant*




Ideal for frequently renovated commercial and residential spaces

Excellent resistance against plasticizer migration

Unlimited working time available if needed

Recommended Tools:

Trowel notches and roller nap are guidelines, it is the responsibility of the installer to apply enough adhesive based on the needs of the floor covering and the condition of the substrate.

Substrate Porosity						
	Porous	Non-Porous	Porous	Non-Porous	Porous	Non-Porous
Vinyl-backed Carpet Tile	✓	✓	✓	✓	✓	✓
Vinyl cushion-backed Carpet Tile	✓	✓	✓	✓	✓	✓
Fleece-backed Carpet Tile	✓	✓	✓	✓	✓	✓
Bituminous-backed Carpet Tile	✓	✓	✓	✓	✓	✓
Fiberglass-encapsulated cushion-backed Sheet Vinyl	✓	✓	✓	✓		
Designated carpet Cushions (cushion-to-substrate only)	✓	✓			✓	✓
Luxury Vinyl Tile & Plank (LVT)			✓	✓	✓	
Heterogeneous Sheet Vinyl			✓	✓	✓	

Short-nap roller 3/16" – 3/8":

300 sq. ft. per 1 gal. (1,200 sq. ft. per 4 gal. pail) - 27.8 sq. m per 3.78 L. (111.4 sq. m per 15.14 L pail)

U-notch 1/32" D x 1/16" W x 1/32" A:

300 sq. ft. / 1 gallon (1,200 sq. ft. per 4 gal. pail) - 27.8 sq. m / 3.78 L. (111.4 sq. m per 15.14 L pail)

Square-notch 1/16" D x 1/16" W x 1/16" A:

125 – 150 sq. ft. per 1 gal. (500 – 600 sq. ft. per 4 gal. pail) - 11.6 – 13.9 sq. m per 3.78 L (46.4 – 55.7 sq. m per 15.14 L pail)

Unit sizes : 1-quart, 946 mL. 1-gal., 3.78 L. 4-gallon pail, 15.14 L pail



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HENRY® 650 R Releasable

Pressure-Sensitive Adhesive

Description:

A solvent-free, acrylic polymer-based, releasable flooring adhesive. When installed in a pressure-sensitive dry-to-the-touch state, the floor covering bond will be releasable and the adhesive will remain tacky and capable of providing re-bond capability throughout its service life.

Use for:

When the specific guidelines for installation from the flooring manufacturer allow for a releasable adhesive use HENRY® 650 R to install the following types of flooring:

- Vinyl-backed carpet tile
- Vinyl cushion-backed carpet tile
- Fleece-backed carpet tile
- Bituminous-backed carpet tile
- Fiberglass encapsulated (cushion-backed) sheet vinyl
- Designated carpet cushions (cushion-to-substrate only)
- LVT (luxury vinyl tile & plank)
- Heterogeneous sheet vinyl

For homogeneous sheet vinyl use: HENRY® 695 or HENRY® 647
For homogeneous vinyl tile use: HENRY® 422.

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 (untreated)
- Properly primed gypsum underlayment (above grade only)
- Certain metals and epoxy coatings
- Existing terrazzo and ceramic tile (clean and residue free)
- Existing resilient flooring (fully adhered, non-cushion backed)
- Radiant-heated subfloors not to exceed 85°F (29°C)

Refer to the specific recommendations of the flooring manufacturer for suitable substrates. Please note that all substrates must be clean, sound, solid, well bonded, and prepared as follows.

Preparation:

Refer to the specific recommendations of the flooring 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/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 properly handled and disposed of in accordance with applicable federal, state and local regulations.

Prior to installation always perform moisture and alkali tests for concrete on any grade level. Moisture test results should meet the recommendation of the flooring manufacturer. **For high moisture installations, follow additional special preparation requirements described in high moisture section below*.**

*High Moisture Installations:

Prior to installation always perform moisture and alkali tests for concrete on any grade level. Moisture test results should meet the recommendation of the flooring manufacturer but should not exceed 99% RH as determined by the concrete relative humidity test method (ASTM F2170). Verify concrete surface dryness by mat testing for 24 hours in accordance with ASTM D4263. Alkali readings should not exceed 12 pH.

Acclimate the installation area, adhesive and flooring in an enclosed building at a minimum of 65°F (18°C) for at least 72 hours before, during and for 72 hours after installation.

Additional requirements for high moisture installations:

- Concrete must be a minimum of 45 days old, on-grade or below-grade slabs must be known to have an intact moisture vapor barrier beneath the slab, per ASTM E1745.
- Concrete slab must be at service temperature, and occupied air space above the slab must be at service temperature and service relative humidity, at time of installation.
- Relative humidity of air within the space should not exceed 65% for 72 hours following the installation.

While this adhesive is resistant to being damaged by high concrete moisture vapor emissions, it does not create a moisture barrier and therefore does not protect the floor covering from concrete moisture. Use available ARDEX substrate preparation and moisture control products to address substrates that do not meet the qualifications described above.

Installation procedure:

Follow the guidelines from the flooring manufacturer for layout, design and suitable installation methods. Remove lid and stir any liquid found on the surface into the adhesive, this adhesive is ready-to-use and does not require mixing.

HENRY 650 R may be used for releasable or permanent installations.

To use as a releasable adhesive:

- Verify that the specific flooring recommended by the floor manufacturer is for glue-down installation with a releasable type adhesive.
- Apply adhesive evenly using the proper notched-trowel or nap roller, see "Recommended Tools" section.
- Before installing flooring, allow the adhesive to set open (to air) until it reaches a dry-to-the-touch state (tacky with no transfer to fingers). Approximately 30 to 60 minutes, depending on air temperature, air humidity and porosity of the substrate.
- Install flooring. Releasable installations have an unlimited available working time.

To use as a permanent adhesive:

- Verify that the substrate is porous. Permanent installation method requires a porous substrate.
- Apply adhesive evenly using the proper notched-trowel. Do not apply more adhesive than can be covered within approximately 30 minutes.
- Allow the adhesive to set open briefly (to air briefly) for 5 to 10 minutes and then install flooring.
- Do not allow a heavy film to form on the surface of the adhesive. If the adhesive becomes dry to the touch (tacky, with no transfer to fingers), scrape up and apply fresh adhesive.

Roll the installed floor across width and length using a 3-section 100 lb heavy roller as recommended by flooring manufacturer. Weight down seams as recommended by flooring manufacturer.

After Installation:

Releasable installations can receive normal foot traffic immediately. Permanent installations can receive normal foot traffic after 12 hours. Do not wet wash the floor for 5 days after installation. Protect all floor coverings 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.

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



Notes

FOR PROFESSIONAL USE ONLY.

VOC content: 0 g/L per SCAQMD Rule 1168

Shelf-life is 12 months in original unopened container.

Product is freeze-thaw stable to 10°F (-12°C). Before using allow ample time for packaging contents to naturally acclimate at room temperature. Avoid lower temperatures or multiple freeze-thaw cycles.

If it appears that this product is not performing as expected or there is noticeable inconsistency among different bags, DO NOT PROCEED, but contact the ARDEX Technical Service Department before proceeding further! The warranty may be compromised if a contractor knowingly proceeds when performance standard is in doubt.

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.

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.

Made in the USA.

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