# HENRY® Gription

## Universal Vinyl Flooring Adhesive

**Solvent-free, acrylic polymer-based adhesive**

**Outstanding versatility; ideal for installing a universal range of vinyl flooring and carpet tile types in residential and commercial environments; see “Suitable Applications” section for complete listing of recommended flooring types**

**Up to 99% RH concrete moisture vapor resistant* ***

**Designed to receive flooring in a dry-to-the-touch (pressure-sensitive) or semi-wet state; semi-wet state allows for easy repositioning of sheet goods**

**Trowel or roll-on, based on flooring type**

**Up to 12 hours of working time/laying-in time available if desired**

**Unit Sizes:**

**1-gallon / 3.78 L Pail**

**4-gallon / 15.14 L Pail**

**ARDEX Americas**
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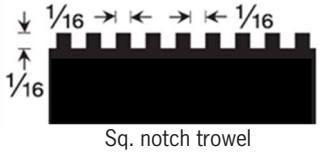
### Suitable Applications, Recommended Tools and Coverage*

*Trowel notch sizes and spread rates 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.*

| **Flooring type** (when the specific guidelines for installation from the flooring manufacturer call for a fully adhered, glue-down installation; for flooring types not listed, contact the ARDEX Technical Service Department) | **Substrate Porosity**<br>• Semi-wet-set applications: Porous substrates only •<br>• Pressure-sensitive applications: All substrates • | | | | | |
|---|---|---|---|---|---|---|
| | **Porous** | **Non-Porous** | **Porous** | **Non-Porous** | **Porous** | **Non-Porous** |
| • Vinyl tile / plank (LVT, SVT, VCT, VET)<br>• Vinyl tile / plank (LVT, SVT, VCT, VET)<br>• Bio-based tile<br>• Quartz aggregate-based tile<br>• Recycled-rubber underlayment<br>• Cork underlayment | √ | X | X | √ | X | X |
| • Carpet tile (vinyl-backed; polyolefin-backed)<br>• Fiberglass-encapsulated, cushion-backed sheet vinyl | X | X | √ | √ | √ | √ |
| |  <br>Sq. notch trowel<br>1/16" deep x 1/16" wide<br>x 1/16" space apart<br>Coverage Per 4-Gallon<br>(15.14 L) Unit:<br>Up to 760 sq. ft (70.4 sq. m) | |  <br>U-notch trowel<br>1/16" deep x 1/32" wide<br>x 1/32" space apart<br>Coverage Per 4-Gallon<br>(15.14 L) Unit:<br>Up to 1,000 sq. ft (92.8 sq. m) | |  <br>Short-nap (1/4" - 3/8") roller<br>Coverage Per 4-Gallon (15.14 L) Unit:<br>Up to 1,400 sq. ft<br>(130 sq. m) | |

### Suitable Substrates*

- Concrete (structurally sound)
- Absorbent terrazzo on concrete†
- Patching, leveling or fill materials
- APA-grade underlayment plywood, untreated†
- Properly primed Gypsum underlayments (above-grade only)
- Radiant-heated subfloors not to exceed 85°F (29°C)
- Other approved, non-porous materials:†
  - Non-porous (non-absorbent) cementitious terrazzo
  - Epoxy coatings
  - Epoxy terrazzo
  - Existing resilient flooring (fully adhered, non-cushion backed)
  - Certain metals (Contact ARDEX Technical Service for instructions)

*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 detailed below.
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.

†Must be sound, solid and well-bonded to underlying, structurally sound substrates.

## Dimensional Stability of Flooring Structures

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

## Step 1: Moisture Evaluation and Testing

Test concrete in accordance with ASTM F2170. **For high-moisture floor coverings, this product can be installed over concrete with relative humidity (RH) levels not to exceed 99% provided:

- Each on-ground slab is built on a vapor retarder, which remains effective and intact, in conformance with ASTM E1745.
- Alkali readings should not exceed 12 pH.
- Concrete must be a minimum of 45 days old.
- 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 cannot exceed 65% for 72 hours following installation.

All other cases: Moisture control is required if the RH exceeds the limitations imposed by the flooring manufacturer.

## Step 2: Job 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 (72 hours for high-moisture applications).

## Step 3: Substrate Preparation (Proper Prep™)

If necessary, mechanically clean the substrate by shot blasting or similar means. Do not use acid etching, adhesive removers, solvents or sweeping compounds, as these are bond breakers. Sanding is not an effective method to remove contaminants from concrete.

Substrate must be dry and free of excess moisture and alkali. All substrates must be sound, solid and thoroughly clean of all bond-breaking contaminants, including but not limited to: dirt, dust, wax, grease, paints and oils; all curing compounds and sealers; overwatered or otherwise loose or weak material.

Substrate must be sound, smooth and flat in accordance with finish manufacturer requirements. Ensure that the substrate is solid and fixed securely to provide a rigid base free of undue flex. Address rough unsmooth areas, cracks, holes and levelling needs with appropriate substrate preparation products. Any substrate patching or levelling materials used must have a minimum compressive strength of 3,000 psi (210 kg/sq. cm).

While this product is resistant to being damaged by high concrete moisture vapor emissions, it does not create a moisture barrier and, therefore, does not protect finish materials from concrete moisture. Address concrete moisture as needed with appropriate moisture control materials.

Handle and dispose of asbestos and other hazardous materials in accordance with prevailing regulations, which supersede the recommendations in this document.

## Step 4: Application

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.

### Application Data

All data based on 70°F / 21°C.

**Dry-to-the-touch (pressure-sensitive) applications:**

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| **Approximate Required Open time:** | 30 - 60 minutes |
| **Maximum Open time:** | 12 hours |

**Semi-wet-set applications (porous substrates only):**

| | |
|---|---|
| **Approximate Required Open time:** | 5 - 10 minutes |
| **Maximum Open time**: | 30 minutes |

### Instructions

- Apply adhesive evenly using the recommended proper tool.
- See “maximum open time” above. Do not apply more adhesive than can be covered within approximately this time period.
- See “approximate required open time” above. Before installing flooring, allow the troweled adhesive to set open for this amount of time. For pressure-sensitive applications, ensure that the adhesive reaches a dry-to-the-touch state (tacky, but no transfer to fingers.)
- Roll the installed floor across width and length using a 3-section 100 lb heavy roller as recommended by the flooring manufacturer. Weight down seams as recommended by the flooring manufacturer.

## Step 5: Cleanup

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.

## Step 6: Time to Traffic

All dry times are calculated at 70°F (21°C). Drying time is a function of jobsite temperature and humidity conditions. Low substrate temperatures and/or high ambient humidity will extend the drying time. Adequate ventilation and heat will aid drying.

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| **Heavy traffic / heavy loads (rolling or static)**: | 72 hours |
| **Light / normal traffic:** | 24 hours |

## Notes

In accordance with industry standards, and to determine the suitability of the products for the intended use, always install an adequate number of properly located test areas, including the finish flooring. As floor coverings vary, always contact and rely upon the floor covering manufacturer for specific directives, such as maximum allowable moisture content, adhesive selection and intended end use of the product. If the installation is not proceeding as expected, contact the ARDEX Technical Service Department before proceeding further.

Never mix with cement or additives outside of our written recommendations. Observe the basic rules of concrete work, including the minimum surface and air temperatures detailed above. Install quickly if the substrate is warm, and follow the warm weather installation guidelines available on our website.

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

## Technical Data According to HENRY Quality Standards

Physical properties are typical values and not specifications.

| | |
|---|---|
| VOC: | 1 g/L SCAQMD 1168 |
| **Storage:** | Store in a cool, dry area. Do not leave units exposed to sun. Freeze-thaw stable to10°F / -12°C. Avoid multiple freeze-thaw cycles. |
| Shelf Life: | 1 year, if unopened and properly stored. |
| **Warranty:** | 10-Year Limited HENRY'S BEST WARRANTY. Also eligible for ARDEX SystemOne™ Warranty. For full warranty details: ardexamericas.com/services/warranties. |

## 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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