



#1 CHOICE OF PROFESSIONALS®

# LiquidFoil™ Attic Barrier

## Physical Properties

Appearance : Liquid	Thermal Emittance: 0.16 (ASTM C1371)	Dry Time @ 77° F, 50% RH: 2 – 4 hours @ 77°F	Fire Resistance – Class A (ASTM E 84) Flame Spread – 0 Smoke - 0
Color : Silver	Maximum VOC: 185 g/l	Odor: Mild	Solids by Weight %: >16.0
Viscosity 2,000- 5,000 cPs (ASTM D 2196)	Flash Point: Not Applicable (water based)	Water Vapor Transmission: >19.0 (ASTM E 96)	Solids by Volume %: >15.0
Density: 8.6 – 9.0 lbs./gal.			

## Packaging

4.75 gallon (47 lb.)

## Description

**Henry LiquidFoil™ Attic Barrier** is a low emissivity (low-e) energy saving coating, most commonly applied to the underside of roof decks and gable ends. It comes in a liquid form and dries to a shiny, metallic finish. In summer, **Henry LiquidFoil™ Attic Barrier** works to keep the heat OUT of the building. In winter, it works to keep the heat IN the building. When properly applied, **Henry LiquidFoil™ Attic Barrier** will block up to 84% of the radiant heat from penetrating the surface, reducing both summer cooling and winter heating costs. **Henry LiquidFoil™ Attic Barrier** is often referred to as a “radiant barrier” and is classified as an Interior Radiation Control Coating System (ASTM C1321) with an impressive .16 emittance rating (ASTM C1371).

**Henry LiquidFoil™ Attic Barrier** typically installs in less than half the time, with fewer people, as compared to staple-on foil products. It also costs much less and won't interfere with cell phone signals or over the air antenna reception. **Henry LiquidFoil™ Attic Barrier** allows moisture vapor to pass through it, preventing any issues with condensation or moisture buildup. **Henry LiquidFoil™ Attic Barrier** is a single component, premixed product. There is no need to worry about mixing Part A with Part B at specified rates as with other, competing brands.

## Features

- Saves energy by preventing radiant heat from penetrating surface
- Blocks up to 84% of radiant heat
- .16 emissivity (ASTM C1371)
- Interior Radiation Control Coating System (IRCCS) – ASTM C1321
- One coat application
- Single component, no mixing Part A with Part B
- Will not interfere with cell phone signals or over the air antenna reception
- Fast install time

## Uses

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- Attics
- Walls
- Wood
- Masonry
- Metal
- Residential
- Commercial
- Industrial

**Henry LiquidFoil™ Attic Barrier** is most commonly used in attics, wall cavities, metal buildings and other building types subject to high heating/cooling costs. It is also used in buildings that have no HVAC system, as a measure to keep the interior temperatures more comfortable. In buildings where the installation of insulation is not practical, **Henry LiquidFoil™ Attic Barrier** is an excellent alternative. It can also be applied to drywall, masonry, concrete, ceiling tiles, plaster and previously painted surfaces. **Henry LiquidFoil™ Attic Barrier** is designed for interior use only in residential, commercial and industrial applications.

## Coverage

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One coat is all that is required, applied at the rate of 325 to 425 sq ft per gallon, depending on surface texture and porosity. Wet film thickness should be 4 mils thick (about the thickness of standard copy paper). **Henry LiquidFoil™ Attic Barrier** is a non-thickness dependant product. Over-application does not enhance its performance.

## Surface Preparation

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**Wood Surfaces:** Surface must be clean, dust-free, dry and in good repair. No primer needed.

**Metal Surfaces:** Remove all surface contaminants by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Rust and mill scale must be removed using sandpaper, steel wool or other abrading methods. Bare metal surfaces must be primed with the appropriate primer. It is generally recommended to prime the same day the metal is cleaned.

**Masonry & Concrete Surfaces:** Remove all surface contaminants by washing with an appropriate cleaner, rinse thoroughly and allow to dry. All surfaces must be fully cured (minimum 1 month). Remove all release and curing agents. Rough surfaces can be filled to provide a smooth surface. No primer needed.

**Previously Painted Surfaces:** All loose coatings and corrosion must be removed by scraping, sanding or other abrading method. Sand glossy and non-porous surfaces to a dull finish. Patch and fill areas as needed. Spot prime any bare areas with the appropriate primer.

**Drywall:** Remove all surface contaminants by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Patch and fill areas as needed. Patchwork must be cured and hard. Spot prime any patch areas with the appropriate primer.

**Plaster:** Remove all surface contaminants with an appropriate cleaner, rinse thoroughly and allow to dry. Plaster must be cured and hard.

**Mildew:** Remove all mildew before painting by washing with a solution of 1-quart household bleach and 3-quarts warm water. Apply the solution and scrub the mildew area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry 48 hours before painting. Wear appropriate personal protective equipment. Do not add detergents or ammonia to the bleach/water solution.

## Application

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Immediately prior to application, stir material in a bottom to top motion for a minimum 2 minutes. Do not use in high speed mixers. Stir occasionally during use. Apply to a dry surface with airless sprayer, brush or roller. The preferred method of application may be with airless sprayer due to protruding roofing nails.

**Airless Sprayer:** Recommended sprayer shall be rated for a minimum ¾ HP, .75 GPM, 2000 psi and should be readily available at most tool rental facilities. A .017 to .021 tip is recommended, using ¼" to 3/8" ID hose and no filter. Spray pressure should be kept as low as possible to lessen over-spray, but also yield a uniform surface coat.

**Brush:** Nylon or polyester

**Roller:** 3/8" to ½" nap synthetic cover

For best results, coating should be applied under normal environmental conditions without thinning or tinting. Product will dry to the touch in 2 – 4 hours at 77° F and 50% relative humidity. To maximize the effectiveness of **Henry LiquidFoil™ Attic Barrier**, a minimum 1" of airspace is required between the coating and the next substrate. There must be airspace on one side of **Henry LiquidFoil™ Attic Barrier** for it to be effective. Do not topcoat.

## Precautions

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Do not use high-shear pumps and mixers, which will damage the aluminum and create a dark surface. Use only hand or low speed mechanical mixing. Do not apply unless temperatures are at least 50°F and rising or if temperatures will drop below 50°F within 24 hours after application. Do not heat container or store in temperatures above 110°F. Storage at excessive temperatures may result in premature gassing of the product in the container. Product has a limited shelf life; but may be stored up to 6 months at room temperature. When transporting this product, be sure the container is secured and the lid is tight. Do not allow the container to tumble, as this may loosen the lid and allow leakage to occur. Extinguish any open flame and disconnect attic mounted HVAC units prior to application. Use shielded safety lighting. Provide mechanical ventilation when working in confined spaces. Run ventilation 10 minutes prior to use, during use and for at least 30 minutes after application. Do not spray on electrical fixtures. Switches, receptacles and junction boxes should be protected during spraying. Material is water based and is conductive until dry. Ensure appropriate personal protective equipment is used. **Henry LiquidFoil™ Attic Barrier** is an aluminum finish that is not designed to withstand any handling.

## Clean-Up

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Follow sprayer manufacturer recommendations when cleaning spray equipment. All other equipment can be cleaned up with water and heavy duty detergent. Dried material can be removed with orange oil or citrus-solve type cleaner. Use care in handling solvents. Clean hands with a waterless hand cleaner.

## Caution

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Close container after each use. **DO NOT TAKE INTERNALLY!** Use protective measures to avoid contact with eyes and skin. If swallowed, **CALL PHYSICIAN IMMEDIATELY!** In case of eye contact, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. In case of accidental injection by power spray equipment, **GET MEDICAL ATTENTION IMMEDIATELY!** Dispose of container and unused contents in accordance with Local, State and Federal regulations.

**KEEP OUT OF REACH OF CHILDREN**  
**KEEP FROM FREEZING**  
**FOR INTERIOR USE ONLY**

**EMPLOYERS** should obtain a copy of the Material Safety Data Sheet (MSDS) from your supplier or directly from Henry at the toll free number or website below.

### Limited Warranty

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We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control. We will replace at no charge any product proved to be defective within 12 months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY:** This Limited Warranty is IN LIEU OF any other warranties express or implied including but not limited to any implied warranty of MERCHANTABILITY or for a particular purpose. Manufacturer shall have no liability of any kind beyond product replacement, including for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise. This Limited Warranty provides the purchaser's exclusive remedy for any defect in the product.

### Statement of Responsibility

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The technical and application information herein is based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use. Henry Company data sheets are updated on a regular basis; it is the user's responsibility to obtain and to confirm the most recent version. Information contained in this data sheet may change without notice.