



Physical property	Typical value	Test method
Solids Content	100%	ASTM D1644-2001 Method A
VOC Content	0 g/l	C1250-05
Adhesion	>435 psi	C794-10
Tensile Strength	2900psi	D412-06ae2
Hardness	62 Shore A	D2240-05
Abrasion Resistance	40mg loss	C501-84
Elongation	50%	D415-06ae2

Description

Henry® PU Topcoat is a 100% solids, two-component, aromatic polyurethane coating used as a colored topcoat.
Henry PU Topcoat is a non-UV resistant topcoat specifically formulated to provide excellent abrasion and chemical resistance.

Features and benefits

- High abrasion resistance
- Low odor
- No solvents
- Zero VOCs

Usage

Henry PU Topcoat is used as a non-UV resistant colored topcoat for:

- Interior parking decks
- Loading docks
- Walkways
- Mechanical rooms

Application

Site Conditions: All surfaces should be prepared per the approved Henry specification and Tech Talk. Surface temperature must be at least 5° F above the dew point and rising. Air and substrate temperatures must be between 50° F and 90° F. Relative humidity should be less than 80%.

Surface Prep: Surfaces to be over-coated must be firm, dry and load bearing, free of loose and brittle particles, and contaminants that would impair adhesion.

If there are any questions about the suitability of a substrate, further advice should be sought from a Henry Representative and a small trial area should be applied and tested appropriately.

Product Mixing: Henry PU Topcoat Parts A & B are pre-measured.

Mix all of Part A with all of Part B.

They must be thoroughly mixed, using an electric, slow speed (300-400rpm), high torque drill with spiral (Jiffy) mixing paddle. Work the mixing paddle around the sides and bottom of the mixing pail to achieve a uniform, streak free homogenous liquid.

Mix Ratio by Volume:

1. Pour all of Part A into a separate, clean, dry mixing pail taking care not to hit the sides. Pre-mix for 30 seconds.
2. Add all of Part B, taking care not to hit the sides.
3. Mix for a minimum of two minutes.

Mix all of Part A with all of Part B.

Scrape out all the material from the mixing pail.

Do not mix new material with old, uncured material as this can significantly reduce work times.

Henry PU Topcoat

Decant newly mixed material into smaller containers or onto substrate and spread to prolong working time.

Pot Life @ 68° F: 20 minutes

The working time and viscosity of **Henry PU Topcoat** will be influenced by the length of time it is mixed (longer mixing results in shorter pot life), the substrate and ambient temperatures and how quickly it is removed from the mixing pail and spread on the substrate.

Application: Henry PU Topcoat is applied evenly by roller.

Use a heavy-duty roller arm applying moderate pressure to force topcoat into aggregate voids.

The roller sleeve nap will depend on the size of the anti-skid aggregate being covered, usually 3/8"

Application Rate: Apply in one coat at a rate of approximately: 70 sf/gallon (350 sf/5 gal) on a CSP 3-4 profile substrate.

WFT-DFT: 20 mils

Re-coat and Traffic times after application:

Minimum @ 68° F = 6 hours and tack-free before re-coating.

Maximum 48 hours. If this time is exceeded, wipe with MEK and a clean cloth.

Can be trafficked by pedestrians after 24 hours, vehicular traffic after 48 hours @ 68° F. Colder temperatures will increase this time.

Product Restrictions and Limitations: Do not apply too thick, maximum 20 mils WFT.

Thicker coats will cause gassing and air entrapment.

Cure times and color will be affected by humidity and temperatures.

Note: Before using **Henry PU Topcoat**, please refer to Safety Data Sheet (SDS). Ensure the same safe working methods are followed for all persons in the work area. Wear suitable protective clothing, butyl rubber or nitrile gloves and safety goggles with slide shields during mixing and application.

Respiratory masks should be worn at all times when adequate ventilation does not exist.

A NIOSH/MSHA (TC-23C-1809), multi gas vapor respirator is acceptable.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

Avoid direct contact with skin or eyes.

Uncured polymers are corrosive, toxic or both.

They may cause allergic reactions or hypersensitivity reactions.

Contact with skins – wash immediately with soap and water.

Contact with eyes – rinse immediately with lots of water and seek medical attention.

Coverage

Application rates should be adjusted to meet each project's specified requirements. Coverage rates are theoretical and do not take into account material loss due to project conditions and working methods.

- For Henry System Warranty, refer to appropriate approved Henry specification for application and coverage rate requirements.

Clean-up

Follow all health and safety instructions on Safety Data Sheets (SDS).

Clean tools and equipment with Acetone or MEK.

Ensure all materials is mixed and cured before disposal, in accordance with federal, state and local regulations.

Dispose of all packaging in accordance with federal, state and local regulations.

Wash body with soap and water.

Packaging size

Part A 3.5 gal

Part B 1 gal

Storage

Henry PU Topcoat

One year in original, unopened containers stored between 60° F and 90° F under dry, ventilated conditions, and out of direct sunlight. Storing the material at a higher temperature may reduce its shelf life. Keep in an upright position and do not over stack.

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Henry is a registered trademark of Henry Company.
Covered by US patent 6,901,712; Canadian patent 2,413,550.

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