TECHNICAL DATA SHEET

GP Topcoat

Two-Component, Aliphatic, Polyurea Coating

Physical property	Typical value	Test method
Appearance	Mid/Dark Gray, Custom Color	
Solids Content by Volume	100%	ASTM D1644-2001, Method A
Elongation	800%	D412-06ae2 (as per C957M-10)
Hardness	85 Shore A	D2240-05 (as per C836M-10)
Tear Resistance	353 pli	D624-00 (2007)
Tensile Strength	2500 psi	D412-06ae2 (as per C957M-10)
VOC Content (maximum)	0 g/l	ASTM C1250-05

Description

Henry® GP Topcoat is a two-component aliphatic polyurea coating used as a colored topcoat.
GP Topcoat is designed to form an elastic, strong, UV and color stable coating with excellent abrasion resistance.

Features

- Elastic, hard wearing, abrasion resistant
- UV stable and color stable
- Low odor and VOC compliant
- Can be left exposed to ponded water
- Chemically resistant

Usage

GP Topcoat is used as a flexible, UV and color stable topcoat for:

- Parking Decks, Loading Docks, Balconies, Walkways, Mechanical rooms
- Exposed membranes, where long-term color stability is required

Application

Site Conditions: All surfaces should be prepared per the approved Henry specification.
Surface temperature must be at least 5° F above the dew point and rising.
Air and substrate temperatures must be between 40° F and 95° F.

Surface Prep: Surfaces to be over-coated must be clean, dry and free of contaminants that would impair adhesion.
If there are any doubts about 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: GP Topcoat Parts A & B are pre-measured.
Mix all Part A (resin) with all of Part B (hardener).
They must be thoroughly mixed, using an electric, slow speed (300-400rpm), high torque drill with spiral (Jiffy) mixing paddle.

Mix Ratio by Volume:

1. Dispense Part A into a separate, clean, dry mixing pail. Mix for 30 seconds, taking care not to hit the sides.
2. Add Part B, taking care not to hit the sides, and mix for a minimum 1 minute.

Work the mixing paddle around the sides and bottom of the mixing pail to achieve a uniform, streak free, homogenous liquid.
Do not mix in an up and down motion.
Scrape out all the material from the mixing pail.
Decant to a new pail and use immediately

Do not mix new material with old, uncured material as this can significantly reduce work times. Use new pails frequently.
Decant newly mixed material into smaller containers or onto substrate and spread to prolong working time

Pot Life @ 68 F: 15 minutes. The working time and viscosity of **GP 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: GP Topcoat is applied evenly by flat squeegee, roller and brush
After spreading by squeegee, use a heavy-duty roller arm applying moderate pressure to force **GP Topcoat** into aggregate voids
The roller sleeve nap will depend on the size of anti-skid aggregate being covered, usually 3/8"

Application Rate: Refer to Dundeq specification

- Pedestrian 5-year traffic system - applied in one coat @100sf/gallon (500/5-gal.kit)
- Pedestrian 10-year traffic system - applied in two coats @ 100sf/gallon (500sf/5-gal. kit) + 120sf/gallon (600sf/5gal. kit)
- Vehicular light duty areas - applied in one coat @80sf/gallon (400sf/5-gal.kit)
- Vehicular medium duty areas - applied in two coats @ 100sf/gallon (500sf/5-gal. kit) + 100sf/gallon (500sf/5gal. kit)
- Vehicular heavy duty areas (onto GP Wear Coat and aggregate) - applied in one coat @90sf/gallon (450/5-gal.kit)
- As a Topcoat over **FX 400** membrane, apply in two coat @150sf/gallon (750sf/5gal. kit) + 150sf/gallon (750sf/5gal. kit) Allow for saturation of rollers

WFT-DFT: 12-20 mils, depending on application type and surface profile

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 Acetone or MEK and a clean cloth.
Allow solvent to fully evaporate

12 hours before pedestrian traffic @ 68° F
24 hours before vehicular traffic @ 68° F
Colder temperatures will increase these times

Product Restrictions and Limitations:

NOTE: Before using **GP 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 side 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.
Avoid strong concentration of vapor as well as direct contact with skin or eyes.
Uncured resins are corrosive, toxic or both. They may cause allergic reactions or hypersensitivity reactions.
Contact with skin – 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 and Gold Seal Warranty requirements, refer to appropriate approved Henry specification for application and coverage rate requirements.

Clean-up

Clean-up of tools and equipment may be accomplished by using Acetone or MEK. Read and follow all Health and Safety instructions on SDS. Wash body with soap and water. Ensure all materials are 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.

Product size/packaging

Part A Resin	4.0 gal/ 5 gal container
Part B Hardener	1.0 gal/ 1 gal container

Storage

One year in 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.

For more information, visit www.henry.com or for technical assistance call us at 800-486-1278. For more information on the Henry® product warranty and liability disclaimer please visit www.henry.com/warranty. Refer to the Safety Data Sheet prior to using this product. The Safety Data Sheet is available at www.henry.com or by emailing Henry® Product Support at productsupport@henry.com or by calling 800-486-1278.