

| Physical property | Typical value | Test method |
|--------------------------|-----------------|------------------------------|
| Appearance | Aluminized gray | - |
| Solids Content by Volume | 100% | ASTM D2697 |
| Elongation | 398% | D412-06ae2 (as per C957M-10) |
| Hardness | 72 Shore A | D2240-05 (as per C836M-10) |
| Tensile Strength | 1580 psi | D412-06ae2 (as per C957M-10) |
| Tear Resistance, Die C | 248PLI | D624 |
| VOC Content (maximum) | 0 g/l | ASTM D 2369-81 |

Description

Henry® FX 425 is a 100% solids, spray applied, aromatic, with aluminized pigment, polyurea, waterproofing for exposed roofing. Henry FX 425 is designed to provide an elastic, flexible, high abrasion and impact resistant roof coating that is UV resistant.

Features

- Instant setting and seamless, eliminating the requirement for complicated, labor-intensive detailing items
- Spray applied which reduces labor time and installed cost
- Can be applied directly to SBS modified granulated Cap Sheets
- Seamless
- Can be subjected to constant ponded water and ice
- Low odor, zero VOC, no solvents

Usage

Henry FX 425 is used as a waterproofing membrane for:

- Exposed Roofing, Roof recovery

Application

Site Conditions: All surfaces should be prepared per the approved Henry specification and TechTalk. Surface temperature must be at least 5 °F above the dew point and rising. Use a surface dew point meter. Air and substrate temperatures must be between 32 °F and 100 °F. Relative humidity must be less than 80%.

Surface Prep: Surfaces to be over-coated must be firm, dry and free of loose particles, such as sand in Cap Sheet and primer, or contaminants that would impair adhesion.

If there are any doubts about suitability of a surface, further advice should be sought from a Henry representative and a small trial area should be applied and tested appropriately.

Contact a Henry representative for acceptable Cap Sheets.

Product Mixing: Henry FX425

It is important that all material reaches the required temperature before spraying.

Pre-heat components using drum-pads and blanket heaters at 100 °F until pre-temperature gauge reads 80 °F.

Henry Prodeq FX 425

Set pre-heaters at:

- ISO = 165 °F.
- Polyol = 165 °F minimum.
- Set hoses at 170 °F

Pre-mix components using an agitator with special drum paddle attachment.

Pre-mix Part B until the aluminum color is consistent. Part B must be slowly, continually mixed during spraying.

Use recycling block and circulate material back into drums for 30 minutes at the beginning of each day to ensure cold material in lines reaches the required temperature.

Part A – Isocyanate is a clear, translucent color

Part B – Polyol is aluminized gray

When mixed, a homogenous, streak free aluminized, light gray colored membrane is formed.

Mix Ratio by volume:

1 Part A – Isocyanate

1 Part B – Polyol

Pot Life @ 68 °F: Not Applicable. Gel time = 9 seconds.

Product Application: FX 425 is only applied by plural component machinery.

Protect spray machine and drums from inclement weather including direct sun and water.

Spray pressure is 2500psi minimum

Consult a Henry Representative for expert advice.

Always carry out spray trials before work proceeds.

Keep a small bucket beside spray operative to pre-spray into, ensuring proper mix, before application.

Protect hoses from abrasion on sanded primer. Be careful of hose protection fragments contaminating deck.

Application Rate:

- Apply at a rate of approximately 1600-1700sf/kit. Allow for material wastage due to pre-spray, wind, etc.
- FX425 must be applied in multiple passes/layers at 50 mils maximum/layer.
- Allow a minimum 5 minutes between passes/layers

WFT-DFT: 100 mils on field – 140 mils on details (after 40 mils pre-stripe).

Do not apply FX 425 greater than 80 mils on Cap Sheets or foam.

Re-coat and Traffic Times after application:

Minimum @ 68 °F = 1 hour

Maximum 6 hours. When overlapping membrane after more than 6 hours, wipe with a clean cloth and **Henry FX Activator**.

Allow Henry **FX Activator** to evaporate before over coating.

Product Restrictions and Limitations:

Can be rained on after 30 minutes.

Can be walked on after 30 minutes.

NOTE: Before using **FX 425**, please refer to Safety Data Sheet (SDS).

Always wear suitable, full protective clothing (hooded overalls), butyl rubber or nitrile gloves, durable footwear and safety goggles with side shields during mixing and application.

Ensure the same safe working methods are followed for all persons in the work area.

Follow guidelines in NIOSH alert concerning spraying MDI's, using properly trained operatives.

Provide ventilation in enclosed spaces and wear powered, air purifying respirator with helmet and full-face shield.

When **FX 425** is applied, wear NIOSH/MSHA approved (TC23 or TC-21/TC84A) respirators.

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

Uncured resins may be toxic. They may cause allergic reactions or hypersensitivity reactions.

Protect adjacent areas from overspray or other system-related contamination. Provide windbreaks where necessary.

Contact with skin – wash immediately with soap and water.

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

Henry Prodeq FX 425

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

Machine clean up should be done as per manufacturers' instructions.
Additional care should be taken when cleaning spray guns to ensure no aluminum pigment residue remains
Clean-up of tools 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

| | |
|-------------------------------|----------------------|
| FX 425 Part A | 52 gal / 55 gal drum |
| FX 425 Aluminized grey Part B | 52 gal / 55 gal drum |

Storage

It is important that these guidelines are also followed for drums that are being used while applying material.
In original, unopened containers store between 65 °F and 90 °F.
Storing the material at a higher temperature may reduce its shelf life (1 year).
Store under dry, ventilated conditions and out of direct sunlight. Keep in an upright position and do not over stack.
Do not allow water into drums.
Both Polyol and Isocyanate components are moisture sensitive and will absorb or react with atmospheric or liquid water.
Ensure there is no condensation or water around the top of the drum that may get in when drum bung holes are opened.
After use, partially filled drums should be purged of air using dry nitrogen spray.
This prevents the liquids (especially Part A, Isocyanate) from reacting with water in the air and solidifying.
Materials in machine should be sealed.
Before storing machines, consult machine manufacturer.

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.

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

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