

Physical property	Typical value	Test method
Appearance	Green, Gray	-
Solids Content by Volume	100%	ASTM D1644, Method A
Tensile Strength	1600 psi	C957/957M
Elongation	300%	C957/957M
Crack Bridging @ 100 mils	Pass	C1305
Hardness, Shore A	100	D2240
Hydrostatic Pressure Resistance	130 psi	D5385
Root Resistance	Pass	FLL
VOC Content (maximum)	0 g/l	-

Description

Henry® Prodeq FX 400 is a 100% solids, spray applied, polyurethane hybrid, waterproofing membrane that is instant setting. Prodeq FX 400 is designed to provide seamless protection.

Features

- Instant setting, even at low temperatures, eliminating the requirement for complicated, labor-intensive detailing items
- Spray applied which greatly reduces labor time and cost
- Can be constantly submerged in water
- Hard wearing and durable, reducing damage on site
- No protection board or root barrier required
- Low odor, zero VOC, no solvents

Usage

Prodeq FX 400 is used as a waterproofing membrane for:

- Protected Membrane Roofing
- Plaza Decks
- Inverted Roof Membrane Assemblies
- Green Roofs (VRA)
- Split Slabs
- Foundation Walls
- Planters
- Terraces

Application

Site Conditions: All surfaces should be prepared per the approved Henry specification and TechTalk.

Surface temperature must be at least 5° F (-15° C) above the dew point and rising. Use a surface dew point meter.

Air and substrate temperatures must be between 32° F (0° C) and 100° F (38° C). Relative humidity must be less than 95%.

When installing above 80% relative humidity, extra care should be taken to confirm surface temperature is at least 5° F (-15° C) above the dew point and rising. Use a surface dew point meter.

Surface Prep: Surfaces to be over-coated must be firm, dry and free of loose particles, such as sand in the primer, and 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.

Product Mixing: Prodeq FX 400

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

Henry FX400

Pre-heat components using drum-pads and blanket heaters until pre-temperature gauge on machine reads 110° F.

Set pre-heaters at:

ISO = 165° F (77° C).

Polyol = 110° F (74° C) minimum.

Set hoses at 165° F (71° C).

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

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 green or gray (depending on membrane color choice)

When mixed, a homogenous, streak free green or gray colored membrane is formed

Mix Ratio: 1 to 1, by volume

1 Part A – Isocyanate

1 Part B – Polyol

Pot Life @ 68° F: Not Applicable

Product Application: FX 400 is only applied by plural component machinery.

Protect spray machine and FX 400 drums from inclement weather.

Use AP52/52 to AP29/29 spray tip.

Consult the spray machine manufacturer 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 on substrate.

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

Application Rate:

- Apply at a rate of approximately 1600 sf/kit. Allow for material wastage due to wind.

WFT-DFT: 100 mils on field – 140 mils on details and transitions, minimum.

Re-coat and Traffic Times after application:

Minimum @ 68° F (20° C) = 1 hour

Maximum 24 hours. When overlapping membrane after more than 24 hours, wipe with a clean cloth and **Henry FX Activator**.

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

Product Restrictions and Limitations:

Can be rained on after 1 minute.

Can be walked on after 10 minutes.

NOTE: Before using **FX 400**, 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 400** 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.

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.
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 contents / packaging size

FX 400 Universal Pre Polymer	52 gal / 55 gal container
FX 400 Green Part B	52 gal / 55 gal container
FX 400 Dark Grey Part B	52 gal / 55 gal container

Shelf Life

12 months in unopened containers

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 50° F (10° C) and 80° F (27° C).
Storing the material at a higher temperature may reduce its shelf life.
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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