Henry® 925 BES Sealant

Building Envelope Systems® Sealant

Physical Property	Typical Value	Test Method
Color	Black, Gray, White	-
Application Temperature (see Limitations)	10 ºF to 110 ºF (-12 ºC to 43 ºC)	-
Service Temperature, cured	-40 ºF to 180 ºF (-40 ºC to 82 ºC)	-
Durometer Hardness	25 ±5 Shore A	ASTM D2240
Density	13 lbs/gal	-
Elongation, max	450-550%	ASTM D412
Dry Time	Initial Set: 60-90 min at 77 ºF (25 ºC) 50%RH. Set Through: 24 hours	-
Modulus	40-50% psi	-
Tensile Strength	150-200 psi	ASTM D412
VOC Content, max	5 g/L	EPA Method 24

Approvals and Certifications

- Meets ASTM C719 + 35%
- Meets Fed Spec TT-S-00230C, Type II, Class A
- Meets ASTM C920 Type S, Grade NS, Use NT, Class 35
- LEED v4 MR Credit Building Product Disclosure & Optimization: Health Product Declaration "HPD"

Description

Henry® 925 BES Sealant is a premium, silyl-terminated polyether (STPE) polymer-based sealant which provides excellent weathering resistance, flexibility, low odor and very low VOC. This one-part sealant is applied from cartridges or sausages using professional-grade caulk guns. Applied as a paste-like, non-sag compound, it cures with ambient moisture to an elastic, rubber-like state and is paintable once cured. **Henry® 925 BES Sealant** is compatible for use in many Henry® air barrier, flashing, roofing, and waterproofing systems.

Features and Benefits

- Vetted component of Henry®-warranted systems
- Excellent adhesion to many surfaces
- Will not freeze or wash off in rain
- No shrinkage, stays elastic and flexible
- Low odor, low VOC
- Paintable after cure

Usage

Henry® 925 BES Sealant is suitable for diverse applications but is intended primarily for use as a component in Henry® air barrier, flashing, waterproofing, and roofing systems. The product is used to detail terminations, penetrations, transitions, and joints as shown in Henry® system architectural details. **Henry® 925 BES Sealant** can also be used as an alternative to other elastomeric sealants (silicone, urethane, etc.) in above-grade construction applications, and is optimal for construction joints up to 1" (25mm) width that are subject to dynamic joint movement of up to + 35%. **Henry® 925 BES Sealant** bonds well to many Henry® membranes as well as common construction materials including concrete, masonry, wood and metal.

Application

Surface Prep: Surfaces must be sound, smooth, uniform, and free from defects and foreign materials. **Henry® 925 BES Sealant** can be applied over damp surfaces, but no surface water or frost. Surfaces must also be clean and free of contaminants, such as

Henry® - *A Carlisle* **Company**, 336 Coldstream Road Kimberton, PA 19446
Tel: 800-486-1278 **Email:** techservices@henry.com
www.henry.com

Revision Date: 5/22/2023

curing compounds, sealers, or coatings. Sealant adhesion should be tested on each different substrate prior to use by applying a bead allowing to cure thoroughly. To test adhesive strength, pull one end of the bead.

Apply: Cut nozzle to desired bead size; puncture inner seal. Apply at a 45° angle while pushing sealant ahead of nozzle. Tool the sealant before it skins to provide contact with substrate to remove voids and to shape it for water shedding. For movement joint applications: The width of the joint should be a minimum of ¼" (6mm) and shall be 4 times the anticipated movement. In joints ¼" (6 mm) or wider, insert backer rod into joint before sealant installation to control sealant depth and to prevent adhesion to bottom of joint. If the joint is up to ½" (13 mm) wide, the depth of the sealant should be equal to the width, but not less than ¼" (6 mm). In joints wider than ½" (13 mm), the depth should be maintained at ½" (13 mm). Maximum joint width for installation is 1" (25 mm).

Sealant Consumption Guide

Bead Size	Yield* per 20 FL-OZ (591 mL) Sausage	Yield* Per 10.3 FL-OZ (305 ML) Cartridge
1/8" (3mm)	245 ft (74.8 m)	123 ft (37.4 m)
1/4" (6mm)	61 ft (18.7 m)	31 ft (9.3 m)
3/8" (10mm)	27 ft (8.3 m)	14 ft (4.2 m)
1/2" (13mm)	15 ft (4.7 m)	8 ft (2.4 m)
5/8" (16mm)	10 ft (3.0 m)	5 ft (1.5 m)
3/4" (19mm)	7 ft (2.1 m)	---
7/8" (22mm)	5 ft (1.5 m)	---
1" (25mm)	4 ft (1.2 m)	---

*Theoretical yield. Not accounting for waste.

Limitations:

Use as shown in **Henry®** system instructions and details. Verify compatibility of all materials that will be in contact with **Henry® 925 BES Sealant** before installation.

Henry® 925 BES Sealant may be installed when substrate and air temperatures are as low as 10°F (-12ºC). Application in temperatures between 10°F and 32°F (-12ºC and 0ºC) may proceed only if the substrate is free of frost or ice. The product should not be applied in the rain or on wet surfaces; damp surfaces are acceptable.

If frost or ice is present on the substrate, it must be warmed to a temperature above 32°F (0ºC) using hot air gun, heater, etc. to melt the frozen moisture. When installed in temperatures below 32°F (0ºC), an extended curing time is expected.

Prior to cold weather installation, **Henry® 925 BES Sealant** should be stored at room temperatures above 35°F (2ºC) for a minimum of 24 hours, to improve application and tooling.

Although **Henry® 925 BES Sealant** is suitable for permanently exposed applications, Henry does not guarantee aesthetics or service life in these applications. Exposed caulking/sealant is considered a maintenance item, requiring periodic cleaning, repair and replacement.

Clean-up

Clean hands and equipment with product and technique suitable for removing oil-based materials.

Product size/packaging

10.3 fl-oz (305 mL) cartridge, 24 per box
20 fl-oz (591 mL) sausage, 12 per box
2-gallon (7.6 L) bucket

Storage

Henry® 925 BES Sealant has a shelf life of 12 months from date of manufacture when stored in original unopened container at or below 80°F (27°C). Containers should always be kept sealed when not in use.

Henry® - **A Carlisle Company**, 336 Coldstream Road Kimberton, PA 19446
Tel: 800-486-1278 **Email:** techservices@henry.com
www.henry.com
Revision Date: 5/22/2023