



TECHNICAL DATA SHEET  
**RAM-NEK® JOINT SEALANT**

Physical Property	Typical Value	Test Method
Appearance	Black, semi-solid	-
Specific Gravity @ 77 °F	1.20 - 1.40	ASTM D71
Flash Point	>350 °F	ASTM D92
Ductility @ 77 °F	>5.0 min	ASTM D113
Softening Point	>320 °F	ASTM D36
Cone Penetration @ 77°F (150 g, 5 sec)	50-120 dmm	ASTM D217
Application Temperature	>32 °F	-
VOC	<5 g/L	-

### Description

**Henry® Ram-Nek® Joint Sealant** is a modified bitumen based, preformed, flexible gasket-type sealant. **Ram-Nek Joint Sealant** will seal everything from storm sewer pipes, box culverts and manholes to septic tanks, utility vaults and wet wells, and meets Federal Specification SS-S-210 (210-A), AASHTO M-198 75 1 and ASTM C990-09. It stays flexible and is easily applied in temperatures as low as 32 °F.

### Application

**Clean and Prep:** Joint surfaces should be clean and dry and free from frost. Trench conditions shall be such that pipe jointing can be accomplished without getting mud, silt, gravel or other foreign matter into the joint. In general, this means that the trench should be adequately dewatered with a firm bottom free of muck. For maximum bond strength, use Henry® **Synko-Flex® Primer** before installing **Ram-Nek® Joint Sealant**.

#### Vertical Application:

Remove protective wrapper on one side only of preformed **Ram-Nek Joint Sealant** strip/coil and press firmly to the dry, clean joint surface. Leave the outside wrapper in place to protect the gasket and keep it from stretching. Remove protective wrapper from **Ram-Nek Joint Sealant** gasket and set next section. Each unit is forced "home" by its own weight, compressing **Ram-Nek Joint Sealant** to tightly pack and immediately seal the joint. "Squeeze out" is visible proof of a watertight joint. After last section is set and fully "seated", the installation is complete. Backfilling and compaction can start immediately.

#### Horizontal Application:

Remove protective wrapper on one side only of preformed **Ram-Nek Joint Sealant** strip/coil and press firmly to the dry, clean joint surface. Before laying the pipe in the trench, attach the gaskets end-to-end to the leading edge of the tongue or groove of each pipe joint, forming a continuous gasket around the circumference. Remove the protective wrapper before joining pipe sections. After the gasket is applied, the pipe should be handled carefully to avoid displacing or soiling of gasket. Any gasket so disturbed should be replaced. The pipe should be properly aligned before joints are forced home. For tongue and groove pipe, the pipe should be partially supported to maintain concentricity until the gasket is properly compressed in the joint space and sufficient pressure applied to make sure that the joint is properly made. Backfilling and compaction can begin when jointing is completed.

### Packaging

#### RN101:

.75 in. x 2.5 ft. (50 strips per case)  
1 in. x 2.5 ft. (35 strips per case)  
1.25 in. x 3.5 ft. (28 strips per case)  
1.5 in. x 3.5 ft. (20 strips per case)  
1.75 in. x 3.5 ft. (13 strips per case)  
2 in. x 3.5 ft. (10 strips per case)

#### RN103:

.75 in x 14.5 ft. (9 coils per case)  
1 in. x 14.5 ft. (8 coils per case)  
1.25 in. x 14.5 ft. (5 coils per case)  
1.5 in. x 10.5 ft. (5 coils per case)

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