



AST-SEAL™ HYD HYDRAULIC SEALANT

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Product Description

AST-SEAL™ HYD Sealant is a medium strength , high pressure Anaerobic Thread Sealant specifically designed to seal high pressure hydraulic and pneumatic fittings up to 2” in diameter. It has been engineered to be highly resistant to hydraulic fluids with excellent overall chemical resistance. This is a medium strength, thixotropic sealant which has excellent thread wetting capabilities providing a 100% effective bond.

AST-SEAL™ HYD does not contain any fillers or particles which could plug valves or screens in hydraulic systems and is safer to use than PTFE Thread Tapes.

AST-SEAL™ HYD Sealant undergoes a chemical crosslinking process only in the presence of metal and the absence of air. This is typically referred to as “curing”. The Sealant begins to cure right after assembly and reaches full cure in about 24 hours depending upon temperatures. In Colder Climates it may require more time and in Warmer Climates, less time.

AST-SEAL™ HYD works particularly well with softer more active metals such as brass,bronze,aluminum or steel. For Stainless Steel, Titanium,Alloys, plated fittings , fittings with a wide gap fill or if the material is being applied in very cold temperatures where a full cure is still needed then a primer may be required to ensure a full cure is achieved.

Cleaning

This product work best if the parts are clean and free of grease, oil, foreign material or old Sealing Compounds. Normally cleaning with an appropriate solvent and / or wiring brushing the parts to ensure they are clean is adequate preparation.

Storage and Shelf Life

For best results and a longer shelf life, Retaining Compounds should be stored at moderate Temperatures under 80 F. The shelf life is around 24 months if it is stored under these conditions. Storage at higher temperatures may shorten it shelf life or result is lower Prevailing Torque values.

Application

AST-SEAL™ HYD Sealant is normally applied by hand from the bottle,directly to the part or assembly. We recommend that all of the engaged threads are coated with a thin film of the sealant before assembly.

Typical Properties

Property	Value
Color	Brown
Fixture Speed , no primer	1 Hour @ 76°F
Fixture Speed with primer	< 10 Minutes
Full Cure Time	24 hr @ 70°F
Pressure rating	Up to 10,000 psi
Fitting Size	Up to 2”
Viscosity	5,000-50,000 cps
Max. Operating Temp.	-65°F to 300°F
Primer	Primer T
RoHS 3	Compliant

Cautions

This product is not recommended for use in an oxygen system and not as a sealant for chlorine or other strong oxidizing materials. Read all information on labels and Safety Data Sheets prior to use. All products should be tested and evaluated for a particular purpose prior to use.

GHS compliant

[This product requires GHS pictograms on labels.](#)
[Refer to Label and SDS for GHS information.](#)

Product Limited Warranty

This information is based on information we believe to be reliable and accurate, but no guarantee of its accuracy is made for a particular application. We urge and recommend that Users pretest their application prior to incorporating the product into use and assume that the User will conduct such testing. Also see warranty statement on website.

Available In:

SIZE: 10 ml 50 ml 250 ml
P/N: 22541 22542 22543