



# 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.

**AST-SEAL™ HYD Sealant** does not contain any fillers or particles which could plug valves or screen in the hydraulic system and is safer to use than Thread Sealing Tapes.

**AST-SEAL™ HYD Sealant** seals pressures up to 10,000 psi and ensures that your Hydraulic or Pneumatic fittings will not leak or loosen due to vibrations and provide a long trouble free service life. The medium strength allows the fittings to be dis-assembled with common hand tools

**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 18 month 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 @ 76F
Fixture Speed with primer	< 10 Minutes
Full Cure Time	24 hr @ 70F
Pressure rating	Up to 10,000 psi
Fitting Size	Up to 2”
Viscosity	300 – 500 cps
Max. Operating Temp.	-65F to 300 F
Primer	Primer T
RoHS	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 Material Safety Data Sheets prior to use. All products should be tested and evaluated for a particular purpose prior to use.

## **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:**

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