AST-LOCK™ 20RC

HIGH TEMPERATURE, HIGH VISCOSITY RETAINING COMPOUND

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Product Description

AST-LOCK™ 20RC is a High Temperature, High Viscosity Retaining compound. This product is ideal for applications where a strong bond is needed or if the assembly is operating at high temperatures. The high Viscosity of the product allows it to fill larger gaps between the parts. It performs exceptionally well on aluminum, brass, bronze, steel, Stainless Steel and Alloy parts. It may be used to lock shafts and hubs together on gear assemblies, for retaining bearings in their races, to hold bushings in place and many other applications requiring High Strength along with high Service Temperatures. Retaining Compounds are not intended for use on Threaded Fasteners.

Retaining compounds fill the small voids between these parts to form a monolithic assembly with increased strength and rigidity. Because they fill and seal the voids in the assembly, they also act to prevent corrosion and seal any leak paths between the parts.

AST-LOCK™ 20RC can be used in a wide variety of applications. The higher Viscosity is recommended for assemblies which have larger gaps to fill.

Retaining Compounds undergoes a chemical crosslinking only in the presence of metal and the absence of air. This is typically refered to as “curing”. The Threadlocker 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-LOCK™ 20RC works particullarly 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

AST-LOCK™ conforms to GM-1183024

Cleaning

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

Application

AST-LOCK™ 20RC is normally applied by hand from the bottle directly to the part or assembly. A coating is applied and the parts are assembled.

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.

Typical Properties

Property	Value
Color	Green
Fixture Speed , no primer	15 -20 minutes @ 76F
Fixture Speed with primer	5 to 10 minutes @ 76F
Full Cure Time	24 hr @ 70F
Viscosity (thixotropic)	5000 to 10000 cps
Max. Operating Temp.	-65F to +350 F
Shear Strength	>2500 psi
MIL-R-46082B	Type III
RoHS	Compliant
Gap Fill	.015”

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:	39201	39202	39203

ANTI-SEIZE TECHNOLOGY
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