



TECHNICAL DATA BULLETIN

INSTAbond® 392

Anaerobic Pipe Thread Sealing Compound

PRODUCT DESCRIPTION:

INSTAbond® 392 is a high functioning, medium strength anaerobic sealing compound that is used for sealing tapered metal pipe threads up to 2" NPT. The lubricating properties of this compound prevent galling on pipe threads and fittings. It provides immediate low-pressure sealing and allows for readjustment of fittings within 45 minutes after assembly. Fixture time on cleaned, degreased steel is 60 minutes; adjustments should not be made after 60 minutes as this could reduce the product's maximum sealing performance. After 48 hours, the joint is sealed to pipe burst pressure. INSTAbond® 392 has excellent solvent/chemical resistance and can withstand temperatures up to 400°F. **This product is not recommended for use in pure oxygen or oxygen rich systems. It is also not recommended as a sealant for chlorinated compounds or other strong oxidizers.**

NATIONAL STOCK NUMBERS:

8030-01-465-1390 - 6ml tube
8030-00-181-7603 - Box of 10 50ml tubes
8030-00-614-9206 - 250ml tube

APPLICATIONS:

INSTAbond® 392 is recommended for sealing tapered pipe threads and fittings in the following applications:

- Chemical / Petrochemical Refineries and Processing Plants
- Sprinkler Systems
- Pulp & Paper Processing
- Air & Gas Compressors
- Water Treatment Facilities
- Pumps / Drivetrains / Hydraulic Machinery

Physical Properties (Uncured)

Parameters	Test Method	Specification
Color	-----	Creamy, off white paste
Viscosity, 25 deg C	ASTM D445	160,000 cPs
Specific Gravity, 25 deg C	ASTM D792	1.1 gms/ml
Flash Point	ASTM D56	>93 deg C
Toxicity	-----	Low



CURED PROPERTIES (after 48 hours at 25°C)

Properties	Specifications
Breakaway Torque	65 – 75 inch pounds
Chemical Resistance:	
Air Reference	100% Full Strength
Transmission Fluid	96% Full Strength
5w-30 Motor Oil	97% Full Strength
Brake Fluid	86% Full Strength
Hydraulic Fluid	93% Full Strength
De-ionized Water	104% Full Strength
Acetone	89% Full Strength
Isopropyl Alcohol	104% Full Strength
Trichloroethylene	61% Full Strength
Gasoline (87 Octane)	103% Full Strength

Note on Chemical Resistance Data:

Nut-and-bolt assemblies (3/8" x 16 cleaned, degreased steel) were prepared and allowed to cure for 72 hours. **Following the cure schedule, the assemblies were immersed in various solvents and placed in a convection oven at 87°C for 7 days.** The results are reported as a percentage of the total locking strength (breakaway torque) using air as the reference.

Disassembly

Fittings assembled with INSTAbond® 392 may be disassembled with standard hand tools. Fittings greater than 1 inch may need to be heated with a torch to loosen the sealant and aid in the removal process. Fittings can be reused, but they must be thoroughly cleaned with a wire brush and free of oils and grease before reuse.

Fixture Times

Fixture times will vary depending on type of metal, cleanliness of threads, and environmental conditions. For faster fixture time, INSTAbond® Primer N may be used in conjunction with INSTAbond® 392. If readjustment of fittings is required, use of a primer is not recommended. Optimum pressure and chemical resistances can be achieved after 24 hours. However, maximum properties are achieved at 48 hours.

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be used with a sealant for chlorine-containing constituents or other strong oxidizing materials. Refer to Material Safety Data Sheet for instructions on safe handling of this material.

STORAGE

This product should be stored less than 100 deg F and out of direct sunlight. Product should be stored in the original, closed container. Shelf life is 18 months when stored in accordance with manufacturer's recommendations.



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PACKAGING OPTIONS

INSTAbond® 392 is available in 6ml, 50ml, and 250ml tubes, pints, quarts and gallons. Other packaging options are available upon request. Contact us for more details at 800-895-4480 or via email at sales@accrabond.com.

NOTE

The information contained in this document is furnished for information only and it's believed to be reliable based on previous evaluations. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for user's application based on user's production methods. This data should only be used as a guide for determining feasibility for a particular application.

PRODUCT INFORMATION CONTAINED HEREIN IS INTENDED FOR REFERENCE ONLY. MATERIAL SAFETY DATA INFORMATION AVAILABLE AT (662) 895-4480 OR IN WRITNG TO: ACCRAbond, Inc. 8848 Hacks Cross Road, Olive Branch, MS 38654, www.accrabond.com.