

## **TECHNICAL DATA SHEET – Hydraulic Sealant 169**

Anaerobic Hydraulic Sealant 169 is the latest chemical product designed to reduce manufacturing cost while providing increased reliability of mechanical assemblies.

Anaerobic products are designed to cure (with minimal shrinkage) in the presence of metal and the absence of air, (oxygen). They have been used by manufacturers for over 35 years to replace expensive mechanical devices designed to prevent parts from leakage, corrosion and vibrating apart.

This latest version of anaerobics are less surface sensitive and will cure on as received parts generally to a working cure of one hour.

Hydraulic Sealant 169 is a thread sealant for joints up to 3/4". Highly resistant to heat, corrosion, vibrations, water, gases, oils, hydrocarbons and many chemicals. It is also a low strength anaerobic adhesive for thread locking of nuts, bolts and screws of all types that require to be easily disassembled.

### **Properties of Uncured Material:**

Composition anaerobic methacrylate  
Color blue  
Viscosity (25°C - mPa.s) 750  
Specific weight (25°C - gr/ml) 1.0  
Max diameter of thread/gap filling M 20 - 3/4" - 0,15 mm  
Flash point > 100°C  
Solvent content none  
Shelf life 25°C 1 year

### **Properties of Cured Material:**

Bolt M 10 x 20 - quality 8.8 - Nut h = 0,8.d  
Handling cure time 15 - 30 minutes  
Functional cure time 1 - 3 hours  
Full cure time 5 - 10 hours  
Shear strength 3.0 – 5.0 N/mm<sup>2</sup>  
Locking torque:

breakway 5 - 8 N.m  
prevailing 2 - 4 N.m  
Temperature range -55 +150°C

Hydraulic Sealant 169 is available in 10ml, 50ml, 250ml, 1liter, and 10 liter containers. Special sizes available upon request. Shelf life on all anaerobics is 2 years stored at 72° F or below.