



LOCTITE[®] H.V.A.C. Blue Pipe Joint Compound[™]

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PRODUCT DESCRIPTION

LOCTITE[®] H.V.A.C. Blue Pipe Joint Compound[™] provides the following product characteristics:

Technology	Solvent based
Chemical Type	Styrene acrylic emulsion / Calcium carbonate
Appearance	Blue liquid ^{LMS}
Components	One part - requires no mixing
Cure	Solvent evaporation
Application	Pipe joint sealant
Specific Benefit	<ul style="list-style-type: none"> Keeps joints tight in areas of high vibration and thermal expansion and contraction Won't shred like Teflon[®] tape Easily washes off hands with soap and water Resists temperatures to 204 °C Allows immediate assembly and pressurization Seals natural and LP gas, refrigerants, hot water, steam, heating oils and much more Non-flammable Joints can be disassembled months after application

LOCTITE[®] H.V.A.C. Blue Pipe Joint Compound[™] is a tough pliable pipe joint compound formulated specifically for heating, air conditioning and refrigeration applications.

Typical applications include sealing metal pipe threads and fittings including brass, copper, aluminum, iron and stainless steel. Other applications include gasket and flange sealing.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific Gravity @ 25 °C 1.7
 Viscosity, Brookfield - RVT, 25 °C, mPa·s (cP):
 Spindle 4, speed 5 rpm 20,000 to 30,000^{LMS}

Flash Point - See MSDS

Solvent Resistance

Acids (dilute), air, ammonia (anhydrous), anti-freeze, brine (10%), brake fluid, butane*, caustic (dilute), diesel fuel freon*, glycerine, heating oil, mineral spirits, motor oil, natural gas*, pentane, propane*, thread cutting oil, transmission fluid, 1,1,1 trichloroethane, VB&P Naphtha, vegetable oil, water (water, steam, boiling).

*Testing by an independent laboratory showed no leaks on 25 mm size iron piping after 30 days at 4 °C to 38 °C (torque - 102Nm., test pressure -0.24MPa)

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

Directions for use

- Using the brush-top cap, apply a thin layer of H.V.A.C. Blue to just fill the male threads. Do not use excessive amounts.
- Assemble connection immediately.
- Joints can be pressurized immediately. On fittings used below 0°C, allow to dry overnight.
- LOCTITE[®] H.V.A.C. Blue Pipe Joint Compound[™] is fully dried in 24 hours. Low temperatures, high humidity and excessive sealant will extend cure time.

Loctite Material Specification^{LMS}

LMS dated August 12, 2002. Test reports for each batch are available for the indicated properties. LMS test reports include selected QC test parameters considered appropriate to specifications for customer use. Additionally, comprehensive controls are in place to assure product quality and consistency. Special customer specification requirements may be coordinated through Henkel Quality.

Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage: 8 °C to 21 °C. Storage below 8 °C or greater than 28 °C can adversely affect product properties
 Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

Conversions

(°C x 1.8) + 32 = °F
 kV/mm x 25.4 = V/mil
 mm / 25.4 = inches
 μm / 25.4 = mil
 N x 0.225 = lb
 N/mm x 5.71 = lb/in
 N/mm² x 145 = psi
 MPa x 145 = psi
 N·m x 8.851 = lb·in
 N·m x 0.738 = lb·ft
 N·mm x 0.142 = oz·in
 mPa·s = cP

Note

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Reference 0.0