

Product Datasheet

STAG JOINTING PASTE TYPE B

Lead Free High Temperature and Pressure Resistant Jointing Paste / Steam Sealant

DESCRIPTION

Stag B paste is easy break, smooth consistency, lead-free jointing compound. **Stag B** is of thick consistency for use on surfaces made uneven by corrosion or those bearing heavy tool marks, etc. It may be used on screw-threaded joints. It is recommended for use on fittings with a diameter of 13 - 38mm. For fittings larger than 38 mm or highly coarse, it is strongly advisable to incorporate hemp (or fiber) reinforcement, suitably wetted with **Stag B** into the threads.

Stag B jointing paste is ideal for use on all types of flanges or screw threaded joints and have been formulated to meet the most requirements of the Steam Turbo-Generator based Power Plants, Automotive, Marine, Electrical, Plumbing and General Engineering Industries. It is suitable for use on pipe-work carrying water, brine, steam, gas fuel oil, diesel oil, petrol or compressed air.

PROPERTIES

| | |
|-----------------------|------------------------------|
| Colour | Reddish Brown |
| Solvent Content | 10 – 12 % |
| Consistency | Thick Paste |
| Flash Point | 12 ^o C |
| Volatile Content | <25% by volume |
| Temperature Range | -40 to +650 ^o C |
| Specific Gravity | 2.13 to 2.16 |
| Insulation Resistance | 45 X 10 ⁹ ohm/ cm |
| Breakdown Voltage | 1,32,000 volts/ cm |

SPECIFICATION: Meets British Standard 6956; Part 5: 1992

INSTRUCTIONS FOR USE

Stag B jointing paste is applied by brush to previously cleaned surfaces, free from rust, dirt, oil, grease, etc.

In normal circumstances it may be used with or without packing in accordance with normal pipe fitting practice.

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| Kommerling UK Limited Unit 27, Riverside Way, Uxbridge, Middlesex UB8 2YF, England | Authorised Re-packers and Distributors in India Jayantilal J. Gandhi Chemicals Pvt. Ltd. 40-42, Udyog Bhavan, Sonawala Lane, Goregaon (East). Mumbai 400 063 Tele: 91 22 5699 2035, 2685 6848 Fax : 91 22 5699 2042 E-mail : uagandhi@jjgandhi.com | |
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APPLICATIONS

Stag B is particularly suitable for use on steam turbine parting flanges, flanges of steam pipe connections and various steam-threaded connections. **Stag B** has performed and excelled as steam sealant in steam turbines, boiler feed-water pumps, boiler-areas, steam/ water/ brine pipes etc. in many thermal power plants.

However, being thermoplastic this jointing paste should be reinforced with hemp or wick when threaded connections/ joints are liable to extremes of temperature and pressure. Use **Stag B** with a Taylor's Ring for very coarse or rough threads.

Being highly chemical resistant, it can also be used on threaded connections in refinery, chemical plants, petrochemical complexes, pharmaceutical and many other process industries.

Stag B is resistant to town gas and Natural Gas. Hence is ideal for domestic supply connections.

Excellent resistance to Petrol, Diesel and most oils make **Stag B** suitable for sealing gearboxes, crankcases and other flange joints in IC engines.

Stag B is resistant to most acids hence provides excellent corrosion resistance on battery terminals.

HANDLING PRECAUTIONS

Stag B contains Isopropanol, which, being inflammable, represents the only significant hazard during use. Removal from hands can be effected using a proprietary waterless hand cleaner. For further information, see Health and Safety Data Sheet.

STORAGE

Store at normal ambient temperatures and observe the relevant regulations for the storage of inflammable materials.

SHELF LIFE

At least two years in unopened containers.

NOTE

Stag B is supplied ready for use but if thickening occurs due to solvent evaporation, it can be returned to their normal consistency by adding Isopropanol.

PACKAGING

1 Kg & 500 gram tins

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Chemical Resistance of Stag B

| Chemical Resistance Under Consideration | Whether Resistant or Not |
|-----------------------------------------------------------------------------------------|--------------------------|
| Resistance to Air Pressure at 27 bar as Flange Sealant | Yes |
| Engine Oils Q20/50 Multigrade @ 70 ⁰ C | Yes |
| Diesel Fuel @ 70 ⁰ C | Yes |
| Aeroshell 750 @ 70 ⁰ C | Not Tested |
| Tivela 'A' @ 70 ⁰ C | Not Tested |
| Water/ Glycol @ 70 ⁰ C | Yes |
| Water | Yes |
| Sea Water @ 20 ⁰ C | Yes |
| Petrol –4 Star @ 20 ⁰ C | Yes |
| Toluene @ 20 ⁰ C | Yes |
| White Spirit @ 20 ⁰ C | Not Tested |
| Lower Alkyl Esters @ 20 ⁰ C | Yes |
| Industrial Methylated Spirit @ 20 ⁰ C | No |
| Genklene @ 20 ⁰ C | Yes |
| Vegetable Oil- Castor @ 70 ⁰ C | Yes |
| 20% Aq. NaOH @ 20 ⁰ C | No |
| 50% Phosphoric Acid @ 20 ⁰ C | Yes |
| Conc. HCL @ 20 ⁰ C | Yes |
| 50% HCL @ 20 ⁰ C | Yes |
| 50% H ₂ SO ₄ @ 20 ⁰ C | No |
| 50% Acetic Acid @ 20 ⁰ C | Yes |
| 0.88 Ammonia @ 20 ⁰ C | Yes |
| H ₂ O ₂ @ 20 ⁰ C | Yes |
| W / V H ₂ O ₂ @ 20 ⁰ C | Yes |
| Chlorine –Dry @ 20 ⁰ C | No |
| Liquid Propane Gas | Yes |
| Natural or Town Gas | Yes |
| Resistance To Steam @ 15 bar | Yes |
| Sodium Hypochlorite Solution 10-14% by Wt available Cl ₂ @ 20 ⁰ C | Yes |

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