

PRODUCT DATA SHEET

STEAM SEAL JOINTING PASTE

TYPE 'B'

DESCRIPTION:

Steam Seal Brand Joint pastes are easy break, smooth consistency, lead free jointing compounds.

TYPE 'B' is of thick consistency for use on surfaces made uneven by corrosion or those bearing heavy tool marks, etc. If used on with screw threaded joints, it is recommended for use on those fittings with a diameter of 13 - 38mm (1/2- 1½ inch B.S.P). For fittings larger than 38 mm (1½ inch B.S.P) it is strongly advisable to incorporate hemp (or Fibre) reinforcement, suitably wetted with Type 'B', into the threads.

Steam Seal 'B' Jointings are ideal for use on all types of flanges or screw threaded joints and have been formulated to meet the most exacting requirements of the Automotive, Marine, Electrical, Plumbing and General Engineering Industries. Both grades are suitable for use on pipework carrying water, brine, steam, gas fuel oil, diesel oil, petrol or compressed air.

APPLICATION

Steam Seal Brand Jointing pastes are applied by brush to previously cleaned surfaces, free from rust, dirt, oil, grease, etc.

In normal circumstances they may be used with or without packing in accordance with normal pipe fitting practice. However, being thermoplastic these jointings should be reinforced with hemp or wick when the joint is liable to extremes of temperature and pressure.

For very coarse or rough threads use hemp or wick in conjunction with Type 'B' pastes. For very rough flanges use Type 'B' with a Taylor Ring.

HANDLING PRECAUTIONS

Steam Seal Jointings contain Industrial Methylated Spirit 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 :

Steam Seal Jointing Compounds are supplied ready for use but if thickening occurs due to solvent evaporation, they can be returned to their normal consistency by adding Methylated Spirits.

PACKAGING

STEAM SEAL 'B' : 1 Kg Lacquer – lined tins

PROPERTIES:

Colour : Reddish Brown

Solvent Content
Type 'B' : 10 – 12 %

Consistency
Type 'B' : Thick Paste

Flash Point : 14° C

Volatile Content % : Max. 25

Temperature Range : - 40° C to + 650° C

Specific Gravity : 2.13 – 2.16

Resistance to Air Pressure at
400 lbs / in (27 bars) 'Zero Gap' : Pass

ELECTRICAL PROPERTIES After 48 hours

Insulation Resistance : 45,000 Megohm / cm

Breakdown Voltage : 132,000 Volts per cm

RESISTANCE PROPERTIES	RECOMMENDED	NOT SUITABLE
Steam 115 °C at 100 lbs / in (7 bars)	/	
Engine Oil – 020/50 Multigrade (70 ° C)	/	
Diesel Fuel (70° C)	/	
Aeroshell 750 (70 ° C)	/	
Tivela “A” (70 ° C)	N.T. *	
Water / Glycol (70 ° C)	N.T. *	
Sea Water / Brine (20 ° C)	/	
Petrol – 4 Star (20 ° C)	/	
Toluene (20° C)	/	
White Spirit (20° C)		/
Lower Alkyl Esters (20 ° C)	/	
Industrial Methylated Spirit		/
“Genklene” (20 ° C)	/	
Vegetable Oil – Castor (70° C)	/	
20% Aqueous Sodium Hydroxide (20 ° C)		/
50% Phosphoric Acid (20 ° C)	/	
Conc. Hydrochloric Acid (20 ° C)	/	
50% Hydrochloric Acid (20 ° C)	/	
50% Sulphuric Acid (20 ° C)		/
50% Acetic Acid (20 ° C)	/	
880 Ammonia (20 ° C)	/	
H2O2 Hydrogen Peroxide (20 ° C) – 30% W/V	/	
H2O2 Chlorine – Dry (20° C)		/
Liquid Propane Gas (20 ° C)	/	
Natural / Town Gas (20 ° C)	/	
Corrosion resistance on battery terminals	/	

N.T. * - Not Tested

SPECIFICATION : Meets British Standard 6956 ; Part 5 : 1992

NOTE : AIR PRESSURE TESTS : .022 – 003 inch (0.05 – 0.75 mm) thickness of product was applied to a flange of 3 inches (76mm) diameter and allowed to air-dry for 15 minutes at approximately 20° C.

STEAM PRESSURE TEST : .002 – 003 inch (0.05 – 0.075 mm) thickness of product was applied to each 4½ inch (114 mm) diameter flange and allowed to air dry for 24 hours at approximately 20° C

IMMERSION TESTS : 3 inch x 1 inch (76mm x 25 mm) Aluminium panels of 0.05 inch (1.27mm) thickness were each coated with .002 – .003 inch (0.05 – 0.76) thickness, allowed to air-dry for 24 hours at approximately 20° C before immersing to a depth of 1½ inches (38mm) in the test fluid at the test temperature .