

COPPER ANTI-SEIZE

PRODUCT DESCRIPTION

Vertex Copper Anti-Seize is recommended for use on all threaded and flanged connections operating at very high temperatures and corrosive conditions to enable faster and rapid non-destructive disassembly after long operational periods such as autoclaves, furnaces, boilers, reactors, turbines, extrusion mandrels, compressors, heat exchangers, gas generators, plastic moulding machines, chemical and steel plant equipment. The product is suitable for use in heavy duty thread compound for studs, nuts, bolts, valve stems, spindles, exhaust pipes, cylinder and engine head screws, steam lines exposed to high temperatures. The product also protects against water and corrosion to provide complete protection from seizure providing ease of operation in components which need to be reopened or retightened after assembly after an initial operational period.

APPLICATIONS & BENEFITS

- Extremely wide service temperature range of -30°C to +1100°C.
- Makes disassembly easy and non-destructive even after long operational periods at high temperatures and adverse working environments.
- High load withstanding capacity.
- Creates an effective matrix between mating surfaces to prevent metal-to-metal contact.
- Protects surface from wear and friction.
- Good corrosion protection.
- Excellent water resistant.
- Ensures consistent tightening of threaded connections and provides an optimum balance between torque required to tighten and pretension.
- Prevents bolt breaking, sintering, fusion, seizure, thread stripping and distortion of threads.
- Meets requirements of MIL-A-907E.

PACK SIZES AVAILABLE

450GM, 500GM, 2.5KG, 20KG, 180KG

TYPICAL CHARACTERISTICS

COPPER ANTI-SEIZE	UNITS	VALUES
Type		Solid lubricants, metal powders in oil
Appearance		Smooth homogenous paste
Colour		Brown
Penetration - Unworked	mm/10	280-310
Drop Point	°C	None
Density, @ 25°C	g/cm ³	1.26
Coverage	m ² /kg	2 – 3
SKF-Emcor Degree of corrosion	DIN 51802	1
Water resistance, static evaluation	DIN 51807 pt.1	1 - 90
Service temperatures as solids lubrication	°C	-30 to +1100
Four ball Weld Test	N	4800

The information contained in this Product Data Sheet is accurate at the time of printing and is subject to change without prior notice.

* Vertex is a registered trademark of Lubricants NZ Ltd.

ADDITIONAL INFORMATION

Direction Of Use

Clean and degrease the surface with a wire brush to remove all previous residues or any micro rust prior to application. Apply this paste with a wire brush in adequate quantity on the surface and right down to the base stem of the thread. The excess paste need not be removed as it provides a good sealing effect. Do not mix with other oils or greases.

Designed for New Zealand Conditions | Manufactured from virgin base stocks. For more technical information please contact Vertex Lubricants NZ Technical Dept. +64 9 640 0004. Sheet updated 27 June 2023.