

AQUA TACK HD2 (OVERBASED CaCO_3)**PRODUCT DESCRIPTION**

Vertex Aqua Tack HD2 Grease is a high-performance Calcium Sulfonate Complex Grease developed for extreme pressure (EP) applications. Unlike conventional calcium sulfonate greases, Aqua Tack HD2 is formulated using overbased calcium sulfonate complex technology, a robust thickener system that delivers outstanding mechanical stability, load-carrying capacity, and corrosion protection. Aqua tack HD2 is manufactured using a calcium sulfonate detergent containing excess calcium carbonate (CaCO_3) dispersed at the nanoscopic level within the sulfonate matrix, creating an overbased structure with a reserve alkalinity that reinforces the grease and neutralises acidic contaminants. The overbased chemistry provides superior protection against wear, rust, and oxidation, ensuring long-term performance under severe operating conditions. Vertex Aqua Tack HD2 is ideally suited for heavy-duty industrial, marine, and automotive applications where durability, water resistance, and corrosion protection are critical.

APPLICATIONS & BENEFITS

- High Load Capacity: Excellent EP performance for high-stress applications.
- Water Resistant: Maintains lubrication in wet or submerged conditions.
- Corrosion Protection: Resists rust and oxidation, even in saltwater.
- Thermal & Shear Stability: Retains structure under heat and heavy loads.
- Long Service Life: Extends re-greasing intervals and lowers maintenance costs.
- Typical Applications: Heavy-duty industrial, marine, mining, and construction equipment; bearings, gears, and joints in wet environments; steel and paper mills; automotive and truck wheel bearings.

PACK SIZES AVAILABLE

450 Gram cartridge – 180-kilogram Drum

TYPICAL CHARACTERISTICS

AQUA TACK HD2		
Test Parameters	Test Method	Test Results
Soap Base	-	Overbased Calcium Sulfonate
Appearance	Visual	Smooth & Homogeneous
Colour	Visual	Natural
Drop Point °C	ASTM D2265	>300
Penetration, Worked 60 Strokes@25°C	ASTM D217	288
Penetration, Worked 10,000 Strokes@25C	ASTM D217	296
Penetration, Worked 100,000 Strokes@25°C	ASTM D217	311
Copper Corrosion,	ASTM D4048	1a
Weld Load, kgs,	ASTM D2596	800
Wear Scar, mm	ASTM D2266	0.44
Base Oil Viscosity@40° C	ASTM D445	320

ADDITIONAL INFORMATION

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 17 October 2025.

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

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