

## PRODUCT DESCRIPTION

Vertex Euro Cool is a Type A ethylene glycol-based hybrid Si-OAT coolant specifically formulated for European-manufactured vehicles such as those within the VW group, as well as other compatible vehicles. This coolant is engineered with a low silicate concentration and a proprietary blend of organic additives. Notably, it is free from Nitrites, Amines, Phosphates, Borates, and 2-Ethylhexanoic acid. The inhibitor package within Euro Cool ensures optimal heat transfer, thereby reducing operational temperatures. Additionally, it provides maximum protection against foam formation, rust, corrosion, cavitation, scaling, oxidation, and degradation of the cooling system. This protection is guaranteed for a minimum of 7 years or up to 500,000 km of vehicle usage, whichever comes first.

### Usage Instructions:

For proper utilisation, Vertex Euro Cool should be diluted to a concentration of 50% volume per volume (vv) with deionized water. This dilution ratio ensures adequate freezing protection, with a freezing point of -37°C and a boiling point of 107°C.

Vertex recommends the use of Deionised Water for dilution purposes. Ensure that the water used meets the following specifications:

- Water Hardness: Between 0 to 20 °dGH
- Chloride Content: Maximum of 100 ppm
- Sulphate Content: Maximum of 100 ppm

## APPLICATIONS & BENEFITS

- Type A ethylene glycol-based hybrid coolant with low silicate concentration and organic additives.
- Designed for European-manufactured vehicles, including VW group, and others.
- Free from Nitrites, Amines, Phosphates, Borates, and 2-Ethylhexanoic acid.
- Inhibitor package ensures optimal heat transfer, reducing temperatures, and protecting against foam, rust, corrosion, cavitation, scaling, oxidation, and cooling system degradation for 7 years or 500,000 km.
- Meets American requirements, phosphate and nitrite-free, protecting against cavitation erosion in diesel and petrol engines.
- Suitable for G12 and G12+ requirements, meeting European standards for various manufacturers.
- Compatible with all plastics, rubbers, and seals.
- Ideal for petrol, light and heavy-duty diesel, mining, marine, highway off/on-road, and industrial stationary engines needing Si-OAT type anti-freeze/anti-boil and anti-corrosion properties.

## PACK SIZES AVAILABLE

5L, 20L, 205L

## SPECIFICATIONS

- |                       |                        |                         |
|-----------------------|------------------------|-------------------------|
| • AS 2108:2004 Type A | • Fiat 9.55523         | • Renault Type D        |
| • ASTM D 3306/D 4985  | • Ford M97-B44-D       | • SAAB                  |
| • Bentley TL 774-G    | • GM 1825M/1899M/6277M | • Scania                |
| • Bugatti TL 774-G    | • Lamborghini TL774-G  | • Smart MB 325.6        |
| • Cummins CES 14603   | • MAN 324 Type Si-OAT  | • VW group TL774G       |
| • CUNA NC 956-16      | • MB 325.5/325.6       | • VW/ Audi/ Seat/ Skoda |
| • Deutz DQC CC-14     | • MTU MTL 5048         |                         |
| • Ducati from 2016    | • Paccar               |                         |

### TYPICAL CHARACTERISTICS

EURO COOL	METHOD	VALUES
<b>Chemical Nature:</b>	Proprietary Formulation	Type A glycol coolant concentrate
<b>Appearance</b>	Visual	Clear Liquid without solid matter
<b>Colour</b>	Visual	Pink
<b>Density at 20 °C</b>	DIN5175-3	1.11-1.13 g/cm <sup>3</sup>
<b>Boiling Point @ mix ratio, %, vv. 50</b>	ASTM D1120	107°C
<b>pH Value</b>	ASTM D1287	8.0-10.0
<b>Freezing point @ mix ratio, %, vv. 50</b>	ASTM D1177	-37°C
<b>Reserve Alkalinity</b>	ASTM D1121	4-6
<b>Foam characteristics</b>	ASTM D1188	<50mL/<3s
<b>Miscibility with water</b>	Visual	freely miscible
<b>Hard water stability</b>	Visual	stable, no precipitation
<b>Typical ASTM Corrosion Performance</b>		
<b>Glassware Corrosion Test ASTM D 1384</b>		
<b>Metal and alloy</b>	<b>Weight loss (mg/coupon)</b>	<b>Spec. limit (mg/coupon)</b>
Copper	1	10 max
Solder	0	30 max
Brass	0	10 max
Steel	0	10 max
Cast Iron	*-1	10 max
Cast Aluminium	2	30 max
<b>* Negative values mean increase of weight</b>		

### ADDITIONAL INFORMATION

- Product needs to be diluted @ 50% vv.
- Always dispose used coolants in accordance with state regulations
- The products contain Bittering agents.
- Product can be stored for 5 years provided container remains sealed.
- Full System Flush is recommended before using this product.

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 18 March 2024.