



BOREAS G480

SILICATE TYPE HYBRID TECHNOLOGY

PRODUCT DESCRIPTION:

BOREAS G480 is a concentrated antifreeze coolant formulated with mono ethylene glycol. It is free from nitrites, amines, and phosphates and features a hybrid composition of inorganic and organic corrosion inhibitors. Designed to protect modern engines in passenger cars and commercial vehicles, BOREAS G480 prevents damage caused by cavitation, freezing, rust, and overheating. Its highly effective corrosion inhibitors ensure comprehensive protection for all metals in the cooling system, minimizing deposits and corrosion. BOREAS G480 meets the VW coolant specification VW TL 774-C (G11) and offers a service life of up to 7 years or 450,000 kilometers.

APPLICATION:

BOREAS G480 must be diluted with water before filling into cooling system. We recommend distilled water for this. Depending on water hardness and quality (hardness not greater than 3.6 mmol/l), dilution with tap water is also possible. BOREAS G480 should be blended with water in a concentration amongst 33% to 60% by volume prior to infilling. The usage of a 50/50 ratio for the mixture of water and BOREAS G480 is generally advisable.

Analysis values of the water may not exceed the following threshold values:

Water hardness: 0 – 3.6 mmol/l
Chloride content: max. 100 ppm
Sulfate content: max. 100 ppm

FEATURES & BENEFITS:

- Outstanding corrosion protection
- Contains no amines, nitrites or phosphates
- Universal application at passenger cars and commercial vehicles as well if a silicate based coolant is required.
- Anti-cavitation, preventing foam and the retention of air, ensuring the good performance of the pump.
- Prevents the build-up of deposits, keeping the cooling system clean.
- Long life service product

BOREAS G480 fulfills the following coolant standards:

AS 2108-2004, ASTM D 3306, ASTM D 4985, BS6580:2010, CUNA NC 956-16, AFNOR NFR 15-601, JIS K 2234:2206, PN-C 40007:2000, SAE J1034, ÖNORM V 5123, SANS 1251:2005 and China GB 29743-2013

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- Audi TL 774-C
- BMW GS 94000
- Deutz TR-0199-99-1115
- Deutz DQC CA-14
- MAN 324 NF
- MB 325.0
- MB 325.2
- MB-326.0 (Ready Mix)
- MTU MTL 5048
- Opel B 040 0240
- Seat TL 774-C
- Skoda TL 774-C
- VW TL 774-C
- Volvo Trucks TR 1286083
- Voith Turbo 172.00225010

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	BOREAS G480	
			BOREAS G480 Concentrate	BOREAS G480 (50% Ready Mix)
pH	D1278	cSt	8.1	8
Freezing Point	D1177	°C	N/A	-37
Boiling Point	D1120	cSt	170	108
Density at 15.5C	D4052	g/cm3	TBR	TBR

DISCLAIMER: The test data provided above is for reference purposes and is not a strict specification, as variations within acceptable production tolerances may occur. Phoenix reserves the right to update or revise this test data. For the most accurate and up-to-date information, please consult the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website Phoenixlubricants.com