

Automotive Chemicals – Coolant Antifreeze

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Valvoline™ ZEREX™ G48® Concentrate

Hybrid coolant for passenger car, heavy duty truck, bus and off-road applications.

Valvoline ZEREX G48® Concentrate is an official GLYSANTIN® based premium coolant suitable for passenger cars, light trucks and heavy-duty applications. The formulation is ethylene glycol-based and it is designed for all types of engines. It is a low-silicate, low pH, phosphate free technology based coolant that protects all cooling system metals, including aluminum, from corrosion. Valvoline ZEREX G48® Concentrate protects engine components from winter freezing and summer boiling.

GLYSANTIN® G48® by BASF is approved by:	Performance levels
BMW / MINI : BMW GS 94000	AFNOR NF R 15-601
Bez. Reg. Amsberg, Dept. of Mining and Energy 84.12.22.63-2001-2	AS 2108-2004
MB-Approval 325.0	ASTM D 3306
Deutz DQC CA-14	ASTM D 4985
German Army TL 6850-0038/1	BS 6580:2010
Jenbacher TA-Nr. 1000-0201	China GB 29743-2013
Liebherr Minimum LH-00-COL3A	CUNA NC 956-16
MAN 324-NF	JIS K 2234:2006
MAN Diesel & Turbo Liste 3.3.7	ONORM V 5123
Maybach / Smart (MB-Approval 325.0)	SAE J1034
MTU MTL 5048	SANS 1251:2005
Opel / Vauxhall (until 2000) B 040 0240	
Porsche (until 1995)	
Rolls-Royce (from 1998) : BMW GS 94000	
Saab 690 1599	
Tesla (from 2013)	
Van Hool	
TL 774-C: VW / Audi / Seat / Skoda	
Volvo Truck (until 2005)	
Zastava	

Features and Benefits

Premium formula for superior protection

Valvoline ZEREX G48® is an OEM approved premium grade hybrid technology based coolant that provides outstanding protection to vital engine parts such as coolant channels in engine block, cylinder heads (liner pitting), radiator and water pump against corrosion, overheating and frost. It contains high quality defoamer and will not harm gaskets, hoses, plastics or original vehicle paint.

Long Life Protection

Superior long-life protection:

- up to 5 years / 250.000 km for passenger cars
- up to 3 years / 500.000 km for Heavy Duty applications



Glystantin® and G48® are brands of BASF – We create chemistry

PRODUCT INFORMATION



Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit www.valvolineurope.com

Typical properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline specifications, variations in these characteristics may occur.

Valvoline ZEREX G48® Concentrate	
Concentrate to be mixed with (demineralized) water	
Appearance	Liquid
Colour	Blue-green
Boiling point °C, ASTM D 1120	165 min.*
Flash point °C, DIN ISO 2592	120 min.
Density g/cm ³ @ 20 °C, DIN 51 757-4	1,121 – 1,123
pH value, ASTM D 1287	7,1 – 7,3
Viscosity mm ² /s @ 20 °C, DIN 51 562	20 – 30
Ash content % ASTM D 1119	Max. 1,5
Storage stability	Up to 3 years

* Boiling Point shown using conventional 15 psi Radiator cap.

This information only applies to products manufactured in the following location(s): Europe

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Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet <http://msds.valvoline.com>

Protect the environment

Take used oil to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.

Storage

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

Valvoline ZEREX G48® Concentrate	
Concentrate mixed with (demineralized) water	Freezing Point
33 vol% solution	below -18°C
50 vol% solution	below -38°C

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

Water hardness	0 – 2,7 mmol/l
Chloride content	max. 100 ppm
Sulphate content	max. 100 ppm

Replaces –



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