



Product specifications



Professional range

Antifreeze Longlife Concentrated Cooling Liquid with Long Lifetime

Wynn's Antifreeze Longlife is a high quality concentrated blue cooling liquid with long lifetime which meets the actual normal standards and protects the cooling system against freezing and metal corrosion.

Properties

- ✓ Protects against freezing and overheating of the cooling system.
- ✓ Can remain in the cooling system during 2 to 3 years.
- ✓ Protection against frost, depending on the concentration chosen (always dilute).
- ✓ Contains a pH buffer which retards the acidification of the liquid and consequently prolongs its lifetime (2 to 3 years).
- ✓ Can be readily used in combination with Wynn's Cooling System Stop Leak.
- ✓ Is compatible with other glycol based cooling liquids.
- ✓ Meets all European and most International Standards.
- ✓ Amine, phosphate and nitrite free.
- ✓ Protects against rust and corrosion and especially against electrolysis and pitting of aluminium components.

Applications

- ✓ Recommended for all "water" cooled systems of petrol and diesel engines.

Technical data

Appearance	: blue liquid
Density at 20°C	: 1,110 – 1,123 (DIN 51 757/4)
Boiling point	: > 165°C (ASTM D 1120)
Alkalinity, M/10 HCl	: 13-15 ml (ASTM D 1287)
pH	: 7,0 – 7,5 (ASTM D 1287)
Foaming test	(ASTM D 1881)
Height (maximum)	: 50 ml
Breaktime (maximum)	: 3 seconds
Flash Point	: > 120°C (DIN ISO 2592)

Wynn's Belgium bvba – Industriepark West 46 – B-9100 Sint-Niklaas / Belgium
Tel: 32-3-766.60.20 - Fax: 32-3-778.16.56 – E-mail: mail@wynns.eu – Website: www.wynns.eu

The data concerning properties and applications of the indicated products are offered in good faith and are based on our research and practical experiences. Due to the versatility of the application possibilities, it is impossible to mention all details and we do not assume any obligations or responsibilities resulting from this. When a new edition appears due to the technical development, the preceding data are no longer valid.



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Ash content : max. 1,5 % (ASTM D 1119)

Directions

Always to be used diluted in water, as a function of the exterior temperature expectations.

PROTECTION Freezing Point	Parts Antifreeze	Parts water
-36°C	1	1
-17°C	1	2
-12°C	1	3

Can also be added to an existing cooling liquid in order to strengthen it. For optimal result, we advise cleaning the cooling system with Wynn's Cooling System Flush when changing the cooling liquid.

Packaging

PN 90501 – 12x1 l – EN/FR/NL/DE/RO/EL

Standards and approvals

Wynn's Antifreeze Longlife complies with the requirements of ASTM D3306, ASTM D4985, SAE J1034, AFNOR NF R 15-601, ONORM V5123 and BS 6580:1992 standards. Furthermore Wynn's Antifreeze Longlife is approved by the following manufacturers of motor vehicles:

BMW (BMW N 60069.0)	MTU (MTL 5048)
KHD (H-LV 0161 0188)	Opel/General Motors (B 040 0240)
MAN (MAN 324-NF)	Saab (6901599)
Mercedes Benz (DBL 7700.20, psl. 325.0)	VW/Audi/Seat/Skoda (TL 774-C)
Deutz (H-LV 0161 0188)	

Corrosion test

	Hot Circulation test	
	ASTM D 4340	
	Loss in weight with Longlife Antifreeze	Loss in weight according to standard
Aluminium	-0.07*	1.0

* Negative figures mean gain in weight

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CORROSION TEST (LOSS IN MG/TEST-BAR)				
Metals and alloys	Glass jars		Cooling system operation simulation	
	ASTM D 1384		ASTM D 2570	
	Loss in weight with Longlife Antifreeze	Loss in weight according to standard	Loss in weight with Longlife Antifreeze	Loss in weight according to standard
Copper	0.1	10	8.8	20
Solder	0.3	30	0.0	60
Brass	0.2	10	10.7	20
Steel	-0.2*	10	0.1	20
Cast iron	-1.0*	10	-1.1*	20
Aluminium	-1.1*	30	-1.2*	60

* Negative figures mean gain in weight

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