



Eni Antifreeze Spezial Ready BX

Eni Antifreeze Spezial Ready BX is used as a cooling and heat transferring fluid in combustion engines. Excessive heat is transferred via the fluid to the radiator where the mixture is cooled by means of airflow. **Eni Antifreeze Spezial Ready BX** is an ethylene glycol based fluid that provides maintenance-free protections against *freezing and boiling* but also against *corrosion*. Extended coolant life, often the whole life of the engine or vehicle, is obtained through the use of virtually non-depleting corrosion inhibitors.

BENEFITS

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| * Extended life | by synergistic combination |
| * Improved heat transfer | leaves more flexibility to engine design |
| * Reduces repairs | to thermostat, radiator and water pump |
| * Reliability | depletion free and stable inhibitor |
| * Improved hard water stability | absence of silicates and phosphates |
| * Save time and money | maintenance-free coolant |
| * Suitable for mixed fleets | 1 coolant for automotive & heavy duty application |
| * Environmentally friendly | by using carboxylic additives |

Base on patented *silicate-free* aliphatic additive technology, **Eni Antifreeze Spezial Ready BX** provides long-life corrosion protection for all engine metals. During extensive fleet testing, the synergistic combination of mono- and dicarboxylates present in this coolant, has proven to provide protection for at least **650.000 km** (ca. 8,000 hrs) in truck & bus-application or **250,000 km** (ca. 2,000 hrs) for passenger cars or **32,000 hrs (or 6 years)** for stationary engines.

It is recommended to change the coolant every five years or at above mileages or operating times, whichever comes first. **Eni Antifreeze Spezial Ready BX** provides long-life protection against all forms of *corrosion* by the use of optimized and patented organic corrosion inhibitors. Excellent and lasting high temperature corrosion protection is provided for the **aluminium** heat transfer surfaces contained in modern engines. The inhibitor package of **Eni Antifreeze Spezial Ready BX** offers excellent cavitation protection even without using nitrite or nitrite-based supplemental coolant additives (SCA's).

APPLICATION

Eni Antifreeze Spezial Ready BX may be used with confidence in engines manufactured from cast iron, aluminium or combinations of the two metals, and in cooling systems made of aluminium or copper alloys.

Eni Antifreeze Spezial Ready BX is particularly recommended for hi-Tech engines, where high temperature aluminium protection is important.

COMPATIBILITY AND MIXABILITY

Eni Antifreeze Spezial Ready BX is compatible with most other coolants based on ethylene glycol. Exclusive use of **Eni Antifreeze Spezial Ready BX** is, however, recommended for optimum corrosion protection and sludge control.



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SPECIFICATIONS

Eni Antifreeze Spezial Ready BX meets the requirements of the following specifications:

- VW TL 774 D/F (G12/G12+)
- MAN 324 Typ SNF
- MB 325.3
- NATO S-759
- ASTM D 3306
- BS 6580
- FORD WSS-M97B44-D
- DEUTZ 0199-99-1115/2091
- OPEL GM 6277M
- RENAULT 41-01-002/Q type D
- FVV Heft R443
- O-norm V 5123

FLEET TESTS

Eni Antifreeze Spezial Ready BX has been extensively fleet tested for over 100,000,00km! 540 vehicles, both heavy duty and automotive, have been closely monitored and showed:

- * limited depletion rates of the corrosion inhibitors: less than 10%
- * superior aluminium protection
- * average pump life increased by 50%
- * excellent cavitation protection even without the addition of nitrite
- * no compatibility problems with good quality traditional coolants
- * no compatibility problems with seals, hoses and plastic components.

TECHNICAL INFORMATION

	Eni Antifreeze Spezial Ready BX	ASTM 3306	Methode
Ethylene glycol	93% w/w glycol	Base	
Other glycols	0,5% max.	5 % w/w max	
Inhibitor content	5 % w/w		
Water content	5 % w/w max	5 % w/w max	ASTM D1123
Ash content	1.1 % w/w typ	5 % w/w max	ASTM D1119
Nitrite, amine, phosphate, borate, silicate	Nil		
Colour	Orange		
Spec. gravity. 15°C	1.116 typ	1.110 tot 1.145	ASTM D5931
Spec. gravity 20°C	1.113 typ		ASTM D5931
Equil. Boiling point	180 °C typ	> 163 °C	ASTM D1120
Reserve alkalinity (ph 5.5)	6.2 typ	Report	ASTM D1121
pH 20°C	8.6 typ		ASTM D1287
Refractive Index, 20°C	1.430 typ		ASTM D1218