

## HIGHTEC ANTIFREEZE COOLANT AN-SF 12+ READY-MIX -40 °C

Premium ready-to-use coolant mixture based on monoethylene glycol with high corrosion protection and frost protection. Nitrite-free, amino-free, phosphate-free. Suitable for aluminium engines and cast iron engines. HIGHTEC ANTIFREEZE COOLANT AN-SF 12+ READY-MIX -40 °C is 2-ethylhexanoic acid free.

### Description

HIGHTEC ANTIFREEZE COOLANT AN-SF 12+ READY-MIX -40 °C is a premium ready-to-use coolant mixture based on monoethylene glycol and is nitrite-free, amine-free and phosphate-free with high corrosion protection and frost protection.

### Application

HIGHTEC ANTIFREEZE COOLANT AN-SF 12+ READY-MIX -40 °C has been developed specifically to meet the requirements of aluminium and cast iron engines in passenger cars and commercial vehicles. It reliably protects against deposits, corrosion and foam formation and thus ensures optimal heat dissipation. It is used in many internal combustion engines according to the manufacturer's specification.

### Specifications

- ASTM D3306/4656
- AFNOR NF R 15-601
- BS 6580
- SAE J1034
- Deutz DQC CB-14
- Ford WSS-M 97B44-D
- GM 6277M/Opel B040 1065
- MAN 324 SNF
- MB 326.3
- MTU MTL 5048
- VW TL-774 D/F (G12/G12+)

### ROWE recommendations

- JIS K 2234
- Caterpillar CAT EC-1/ELC (Extended Life Coolant)
- Jaguar Land Rover STJLR.651.5003
- Mitsubishi Super Long Life Coolant
- PSA B 71 5110
- Scania TI 02-98 0813 T/B/M sv
- Volvo VCS/VCS-2

### Advantages

- Ready-mix - ready for immediate use
- Reliable antifreeze protection at temperatures as low as -40°C
- Reduction in the risk of incorrect filling
- Elimination of problems caused by unsuitable water quality or a false mixing ratio
- Available for use in cast iron and aluminium engines
- Silicate free additive technology
- Prevention of deposits in a reliable manner
- Very good and permanent corrosion protection
- Unsurpassed protection against cavitation
- Minimal tendency to foam
- Miscible and compatible with other antifreeze brands of the same specification. However, in order to exploit the full product benefits of HIGHTEC ANTIFREEZE COOLANT AN-SF 12+ READY-MIX -40 °C, a complete coolant change is recommended.

### Notes

- HIGHTEC ANTIFREEZE COOLANT AN-SF 12+ READY-MIX -40 °C is 2-ethylhexanoic acid free.



Typical characteristics

Property	Method	Unit	Value
Color		visual	magenta
Boiling point	ASTM D 1120	°C	≈ 106
pH	ASTM D1287	-	7,8 - 8,5
Reserve alkalinity	ASTM D1121	ml 0,1 M HCl/10ml	≈ 4 - 5
Freezing point	ASTM D1177	°C / °F	-40 / -40
Density at 20 °C	ASTM D5931	g/cm³	1.077

These characteristics are typical for current production. The data does not constitute an assurance of properties or a guarantee of suitability for a specific application. Existing legal provisions and regulations that affect handling and usage of the products must be observed by the recipient of our products. ROWE products are continuously being developed. For this reason, ROWE retains the right to change all technical data in this product information at any time without prior announcement. Our current General Delivery and Payment Conditions apply ([www.rowe-oil.com](http://www.rowe-oil.com)).

