



## Permatype | OAT Antifreeze ready to use

### Property

- outstanding seal compatibility
- long-term ready-to-use ethylene glycol-based antifreeze
- provides excellent protection for engines and cooling systems in all common metals (including aluminium) against corrosion, overheating, frost and deposits
- amine, nitrite, phosphate, borate and silicate-free
- inhibitor package based on organic acid technology (OAT)

### Application area

- long life protection for at least 850,000 km (approx. 17,000 hours) in commercial vehicles, 350,000 km (approx. 7,000 hours) in cars and over 20,000 hours or up to 5 years in stationary engines and units
- freezing point: -38°C

### Note

- Technical data subject to change without notice. Please observe the vehicle or machine manufacturer's directions. Please refer to the safety data sheet for further information.

### Typical properties

Eigenschaft	Einheit	Wert
Color	-	pink
Density @ 20°C	kg/l	1.05

### Available packaging

1 L bottle	Case 12 x 1 L bottles
65 kg drum (approx. 62 L)	210 kg drum (approx. 200 L)

### Specifications

ASTM D3306, D4656, D4985, D6210
BS 6580
Case New Holland CNH MAT 3624
Chrysler MS 12106
Claas
Cummins CES 14439, 14603
DAF 74002
Detroit Diesel DFS 93K217
Deutz DQC CB-14
Fendt
Fiat 9.55523
Ford M97B44-D
GM GMW 3420, TM 6277M (B040 1065)
Isuzu
Jaguar Land Rover STJLR.651.5003
JASO M325
JIS K2234
John Deere
Kobelco
Komatsu 07.892
KSM 2142
Liebherr MD1-36-130
Mack 014GS17009
MAN 324 Typ SNF
Mazda 121ZQ, MEZ MN 121D
MB 325.3
Mitsubishi
MTU MTL 5048
NFR 15-601
PSA B71 5110
Renault RVI 41-01-001/-S Type D
SAE J1034
Scania TB 1451, T12-980813 TB
Volvo 128 6083/002
VW TL 774-D/G12, 774-F/G12+