

COOL-PROTECT CONCENTRATE

Coolant additive for spindle cooling systems

Description

COOL-PROTECT is a propylene glycol (PG) based spindle coolant and has a lower risk potential as monoethylene glycol (MEG). Particularly suited to motor spindle cooling systems.

Product features

- prevents electrochemical corrosion
- protects aluminium, ferrous and non-ferrous metals
- low-maintenance
- long-lasting protection

Notes

We recommend changing COOL-PROTECT annually. With good maintenance, the coolant can also be used for longer as long as all technical values are within the tolerance range. Do not use galvanised or similar materials for mixing vessels or storage tanks. An average operating temperature of 20°C to 25°C is very effective in protecting elastomers in the long term.

Service

COOL-PROTECT must be checked periodically in accordance with the specifications of the spindle or machine manufacturer. If a third-party product is to be replaced by COOL-PROTECT, the procedure is as follows:

- Add 3% MOTOREX CS CLEANER to the 'old' coolant 2 - 3 days before the planned change and continue working as usual. To clean the system
- Drain the system completely
- Fill up with clean drinking water and allow to circulate for approx. 10 minutes (flush system)
- Drain the system completely
- Clean the tank
- Immediately add COOL-PROTECT CONCENTRATE in a 25% mixture

Please also observe the spindle manufacturer's maintenance instructions.

Application

COOL-PROTECT CONCENTRATE must only be prepared using drinking water that does not exceed the following limits:

- Water hardness max. 20°dH (3.6 mmol/l)
- Chlorides max. 100 ppm
- Sulphates max. 100 ppm

Please contact our local customer service team if these values are outside the permissible range.

Dosage

Prepare a mixture with 25% COOL-PROTECT CONCENTRATE. Only use clean mixing containers. Fill the prepared cooling system with the mixture immediately.

Shelf life / Storage

48 months from production date at a temperature of 5 °C to 35 °C in sealed containers. See product label for production date.

The above information corresponds to the current state of our knowledge. We reserve the right to make changes. The performance characteristics indicated are based on testing and production tolerances standard in this industry. A safety data sheet is available.

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COOL-PROTECT CONCENTRATE

Technical Data

Properties	Test according to	Unit	Values
Colour			yellow
Density at 20 °C		g/cm ³	1.042
Viscosity at 40°C	DIN 51562-1	mm ² /s	70.0
Refractometer factor			1.4
Freezing point		°C	-50
Working concentration		%	25 - 30
Working temperature		°C	4 - 80

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