

r.rhenus TU 30 T

r.rhenus TU 30 T is a water-miscible EP-coolant based on amine and boron acid for machining operations.

Application

r.rhenus TU 30 T is an EP-coolant suitable for machining of aluminium alloys, for demanding operations on steel, cast iron and non ferrous metals.

r.rhenus TU 30 T emulsions feature a long time stability even under hot and humid weather conditions, contaminated mixing water and adverse machine surroundings.

Properties

- semi-transparent, finely dispersed emulsion
- very low foaming
- excellent flushing effect
- special long-term stability, good sump life
- reliable long-time corrosion protection
- good skin tolerance
- pleasant smell
- water hazardous class 1

Technical Data

Concentrate		Emulsion	
viscosity 20 °C (mm ² /s)	Content of mineral oil %	pH-value 5 %	corrosion protection (DIN 51360/2)
approx. 160	approx. 18	9,4	4 % grade 0

Remarks

To prepare operating emulsion slowly add the coolant concentrate to drinking quality water assuring thorough mixing. Mixing can also be done by means of an automatic mixer.

Recommended mixing ratios:

Machining of steel and non ferrous metals:	from 4 %
Machining of cast iron and high tensile steel:	from 5 %
Machining of aluminium alloys:	from 5 %

The concentration of the operating emulsion can be determined by means of a pocket refractometer. The Brix value multiplied by the refractometer value equals the concentration in %. Sometimes reading of scale is more difficult with older emulsions because of the more coarse dispersivity.

Refractometer factor

1,3

Rhenus coolants are free of chlorinated organic substances, nitrite and secondary amines. This product contains natural raw materials. Therefore, different shades of colour and appearance are possible, however, quality and function of the product are not affected at all.

Subject to modification of the technical data. Please refer to the material safety data sheet for additional information or contact our application engineers.

Edition

07/06