

r.meta FU 50 W

r.meta FU 50 W is a water miscible EP metal working fluid based on mineral oil, free of amines and boric acid. A product of high technical performance offering maximum protection for operator and machine.

Application

This is the soft water version of the product **r.meta FU 50 W**.

r.meta FU 50 W is a multipurpose product which can be used for all heavy machining operations of steel and non-ferrous materials, particularly on machining centres and transfer lines. It is especially recommended for machining of aluminium, including thread cutting and Mapal reaming.

Properties

- whitish, finely dispersed emulsions
- universal application
- high stability, low drag out losses
- good sump life
- very low foaming in soft water
- good skin tolerance due to low pH value of 8,0 – 8,8
- free of bactericides

Technical Data

Concentrate		Emulsion	
Viscosity 20 °C (mm ² /s)	Content of mineral oil %	pH-value fresh preparation 5 %	Corrosion protection (DIN 51360/1)
200	47	8,9	2 % R0-S0

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 aluminium alloys and steels	from 6 %
Machining of high alloyed steels	from 6 %

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

0,9

Rhenus metal working fluids free of chlororganic substances, nitrite and secondary amines. They contain natural raw materials. Therefore, slight degradations 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

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