



Matrix Sol Plus 105 CU

General machining soluble coolant

Description

Matrix Sol Plus 105 CU is a semi-synthetic metalworking fluid which forms very stable micro emulsions when mixed with water. Thanks to the special formulation ensures a great biological resistance not being necessary to add biocides or fungicides. Matrix Sol Plus 105 CU is a biostatic product achieving long life and non-generating additional maintenance costs. The product does not produce impact on operators and protects the machine from rust.

Applications

Matrix Sol Plus 105 CU is suitable for a wide variety of machining operations and

grinding on all grades of steel, cast iron, aluminium, brass and copper. The product is suitable for centralized systems and independent machines.

Benefits

- High anticorrosive properties
- Good cooling
- Excellent service life
- Environmentally acceptable
- Does not contain nitrite or chlorine
- Does not form sticky deposits on machine surface
- Economical in use
- Multi metals

Typical performance data

Appearance of concentrate	Amber liquid
Specific gravity @ 20 °C, g/cm ³	0,97
Sodium nitrite	Free
Chlorine content	Nil

Typical performance data –5% emulsion (in tap water 20^oHF)

Appearance	Milky translucent
pH	9,0
Corrosion test, IP-287	No corrosion
Copper corrosion	Nil
Aluminium corrosion	Nil

Mixing

Matrix Sol Plus 105 CU is easy to mix. Simply pour the concentrate into water at the appropriate solution and mix. Hardness of water should be between 100 ppm and 600 ppm and chloride content not superior to 0,1 gr/lt. Matrix Sol Plus 105 CU is recommended to use between 4 to 7% depending on severity of application. For severe machining from 7 to 10%. For grinding operations from 3 to 6 %.

Dilutions can be easily checked by Refractometer;

% Concentration = Refractometer reading x 1,4

All performance data on this Technical Data Sheet are indicative only and can vary during production

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