



Matrix Sol Plus MX

General machining soluble lubricant

Description

Matrix Sol Plus MX is a semi synthetic metalworking fluid which forms very stable micro emulsions when mixed with water. Matrix Sol Plus MX is a product without nitrosating agents, secondary amines, heavy metals and chlorine compounds. Biostable product achieving long life and non-generating additional maintenance costs. It does not produce impact on operators and protects the machine from rust.

Benefits

- High anticorrosive properties
- Good cooling properties

- Excellent service life
- Environmentally acceptable
- Does not contain nitrite or chlorine
- Does not form sticky deposits on machine surface
- Economical in use
- Multi-metal suitable

Applications

Matrix Sol Plus MX is suitable for a wide variety of machining operations and grinding on all grades of steel, brass, aluminum, copper, bronze and cast iron. The product is suitable for centralized systems and independent machines.

Typical performance data – neat product

Appearance	Amber liquid
Specific gravity @ 20 °C, gr/cm ³	0,99
Sodium nitrite	Free
Chlorine content	Nil

Typical performance data – 5% emulsion (in tap water 150 ppm)

Appearance	Amber translucent
pH	9,2
Corrosion Test IP-287	No corrosion
Copper corrosion	Nil
Aluminium corrosion	Nil

Mixing

Matrix Sol Plus MX is easy to mix. Simply pour the concentrate into water at the appropriate solution and mix. Hardness of water should be between 50 ppm and 400 ppm and chloride content not superior to 0,1 gr/ltr.

Matrix Sol Plus MX is recommended to use between 4 to 6% depending on severity of application. For severe machining from 7 to 10%. For grinding operations from 3 to 5 %.

Dilutions can be easily checked by refractometer.

% concentration = refractometer reading x 1,6

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

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