

TORMA 4 FB XT/PL

Semisynthetic water-miscible coolant



DESCRIPTION

It is a very high quality, emulsifiable, cutting and grinding lubricant, of new formulation, prepared according to the most recent acquisitions of modern technology to satisfy the most advanced requests of the workshops for mechanical processing.

In particular, an innovative, advanced and exclusive bio-stabilization system has been adopted, which makes TORMA 4 FB XT, at the recommended concentrations of use, highly resistant to microbiological attack.

It is expressly formulated for the processing of all aluminum

alloys, all steels, including stainless steel, and all ferrous materials.

It is totally free from:

- bactericides of any nature;
- formaldehyde and formaldehyde donors in particular;
- Boron and boric compounds;
- Chlorine and derivatives;
- secondary amines and their derivatives.

It ensures:

- a very high degree of tolerability for operators thanks to the absence of bactericides;
- high stability of the emulsions, obtained through an innovative and exclusive formulation system;
- a very high level of surface finish of the pieces and tool life even at low concentrations and a superior cutting power in mechanical machining on aluminum alloys;
- reduction of fumes during processing;

- very effective anti-rust protection;
 - excellent resistance to foam formation, at normal concentrations of use, even with extremely soft water;
 - Excellent protection of Aluminum alloys even with low Silicon content.
- The fresh emulsion is clear, opalescent and becomes more concentrated during use.

APPLICATIONS

The great versatility of use for this product is particularly interesting, for both grinding and removal operations, in centralized systems and in tanks of single machines, especially those with numerical control.

Thanks to a specific and exclusive EP additive, it can be used even in heavy mechanical processing.

It is suitable for processing aluminum alloys even with a low Si content, thanks to the presence of specific passivators.

Suitable for both medium-high hardness waters, to be checked before use, and relatively low hardness.

OPERATING INSTRUCTIONS

Pour slowly into the water, taking care to mix perfectly.

The concentrations of use are:

- 5-7% for general processing
- > 7% for heavy machining.

STORAGE

It is necessary to protect from frost.

AVERAGE CHEMICAL AND PHYSICAL PROPERTIES*

Characteristic	Method	U.m.	Value
Density at 20°C	ASTM D 7042	Kg/lt	0,973
Refractometric Index	P.O. 10.12	-	1,25
Alkaline Reserve	P.O. 10.5	ml/g	15,7
pH(5% water)	P.O. 10.11	UpH	9,35
Conductivity at 10% Distilled Water	P.O. 10.14	µS/cm	3127

*These data do not constitute specification

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