

PRODUCT APPLICATION SHEET

Cimstar® MY590

Description

Cimstar MY590 is a unique product designed to machine and grind a wide range of yellow metals like brass, bronze and copper. Full compatibility with these materials, resulting in very low dissolving properties, no staining nor formation of coppersoaps is reached due to the carefully selected raw materials in combination with effective yellow metal inhibitors.

Application

Cimstar MY590 is a semi-synthetic type metalworking fluid designed for the machining and grinding of yellow metals.

In addition, Cimstar MY590 can be used on various steels and aluminium as well, making the product suitable for manufacturers predominantly working with copper (alloys) but who also use other metals. Please consult the compatibility guide on page 2 for application on other metals.

Cimstar MY590 can be used in both central systems as well as individual machines.

Product features

Cimstar MY590 is a semi-synthetic machining and grinding fluid, which - when compared to the traditionally used conventional emulsions - provides good visibility, cleanliness, improved washing action and lower (top-up) consumption.

Cimstar MY590 contains an effective combination of yellow metal inhibitors, which prevent the problems (staining, copperdissolving, coppersoap residue formation) normally associated with machining yellow metals.

Cimstar MY590 has been specifically designed for use on yellow metals like brass, bronze and (electrolytic) copper generally used in the industry. In addition, Cimstar MY590 can also be used on steels and aluminium.

Cimstar MY590 is fully compatible with Cimclean®, Oak Kleen® and competitive water based alkaline cleaners.

Cimstar MY590 fully complies with the latest European Health and Safety regulations.

Methods of Application

Cimstar MY590 is easy to mix, normal stirring only. For automatic mixing, the use of the Cimcool® Mix Master or Cimcool Mix Master S is recommended. Typical starting water conditions should be 5 - 25°C and hardness 10 – 20° dH.

Recommended starting concentration

	Copper and copper alloys	(Low & High tensile) Steel s	Aluminium
Grinding	4.0%	5.0%	4.0%
Standard machining	5.0%	6.0%	6.0%
Heavy duty machining	6.0%	6.0%	6.0%

Mix Master Tip Selection Chart

	Brown	Orange	Green	Tan	Blue	White	Red	Beige	Black
Concentration*	1.6	2	2.2	3.3	3.9	4.4	6	9	14

Mix Master S

Mix Master S: Concentration** can easily be obtained by setting the regulator to the correct number.

** The concentration may vary depending on local conditions. It is therefore always advised to check using the refractometer or TA Kit.

Concentration Analysis

For concentration analysis, use one of the below given methods or an appropriate laboratory procedure available from your local stocist.

Refractometer factor: 1.9

If the refractometer is used, the resultant reading multiplied by a factor of 1.9 will only be relevant when applied to a fresh mix.

Cimcool TA kit	Use 2 ml. Mix							*: next syringe		
%	1	2	3	4	5	6	7	8	9	10
Reading	0.87	0.79	0.70	0.62	0.54	0.46	0.37	0.29	0.21	0.13

Cimchek									
Blue pads	1	2	3	4	5	6	7		
%	2	4	6	8	10				

Packaging type

5, 25, 1000 and 200 litre and bulk

Safety Data Sheet

The Safety Data Sheet should be consulted for all additional information and information on Health, Safety and Environment when handling this product.

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