

# CIMPERIAL® 37-800HW

Boron and formaldehyde releasing agent free product for heavy duty applications equipped with CimShield *N-Durance* Technology



PRODUCT INFORMATION FLYER

## Description

Cimperial 37-800HW is a hassle free all-round emulsion primarily developed for many heavy-duty machining operations, but it can be used for heavy duty grinding as well. The Cimperial 37-800HW is equipped with Cimcool's CimShield *N-Durance* Technology. This latest technology innovation boosts the product "*N-Durance*" combining high alkalinity with acceptable pH, thereby securing product stability, pH buffering and corrosion protection.

## Application

Cimperial 37-800HW can be used without problems for a great number of metals ranging from aluminium to steel and stainless steel. The potential aluminium staining has been minimised making Cimperial 37-800HW suitable for most used aluminium types.

Cimperial 37-800HW is especially developed for use in medium to hard water (12 to 25°dH in starting water).

## Features and benefits

The innovative blend of "*N-Durance*" materials work in synergy providing alkalinity, product stability, pH buffering and corrosion protection. The result is a next generation CimShield Technology outperforming many traditional products, by providing low-top up rates, clean machines and high product stability

Cimperial 37-800HW is a hassle free all-round heavy duty emulsion. It provides a high quality finish and excellent stability. This stability ensures a long fluid life, which makes Cimperial 37-800HW a very cost-effective product.

Cimperial 37-800HW is a mild and clean product. It will keep grinding wheels open and maintains machine cleanliness.

Cimperial 37-800HW notably improves production. Effective lubricants reduce the amount of heat generated in the cutting zone permitting higher speeds and feeds, thereby increasing production while maintaining or improving overall part quality

## Methods of application

Cimperial 37-800HW is easy to mix, normal stirring only. For automatic mixing, the use of the Cimcool Mix Master S is recommended. Typical starting water temperature conditions should be 5 - 25°.

## Recommended starting concentration

Grinding and machining	6 - 10%
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## 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.

## Concentration analysis

For concentration analysis, use the below given method or an appropriate laboratory procedure available from your local stockist.

Refractometer factor:	1.2
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If the refractometer is used, the resultant reading multiplied by a factor of 1.2 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	0.85	0.71	0.58	0.45	0.32	0.18	0.05	*.92	*.78	*.65

## Handling and storage

Protect from freezing, direct sun and store between 5 - 35°C.

## Packaging type

20, 200 and 1.000 litre.

## Safety Data Sheet

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



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