

CIMPERIAL® 35-880

Boron and formaldehyde releasing agent free product for extra heavy duty applications equipped with CimShield Technology



PRODUCT INFORMATION FLYER

Description

Cimperial 35-880 is a high performance emulsion suitable for many heavy-duty machining and grinding operations. The Cimperial 35-880 is equipped with Cimcool's unique CimShield Technology. This innovative technology will secure the product stability, the pH buffering of the mix and gives excellent corrosion protection.

Application

Cimperial 35-880 can be used without problems for a great number of aerospace materials including aluminium, nickel and titanium alloys. Cimperial 35-880 is especially developed for use in soft water (5 to 15°dH in starting water).

Product Approvals and conformances

- Grob: Approval
- Airbus (AIMS 12-10-000): Conforms (2024-T3, 7075T6, Titanium, PH13-8Mo, WL1.3544, WL1.7734, 35NCD16)
- Messier-Buggatti-Dowty (PCS-4001): Conforms (Aluminium, Titanium, Steel UTS > 1380MPa)
- Safran (Pr-6300 Ind. A): Conforms (Titanium, Nickel and Aluminium alloys)
- Airbus (80-T-30-4010): Conforms (2024T3, 7075T, Titanium)
- ASTM F1110: Conforms (2024-T3, 7075-T6, Titanium)
- ASTM F483: Conforms (2024-T3, 7075-T6, Titanium)
- Boeing BAC5008: Conforms (Usage areas 5+6)

Features and benefits

CimShield Technology - Based on a unique formulation and contains a special blend of new innovative materials. These materials work in synergy providing product stability, pH buffering and corrosion protection. The results equal traditional products which contained boron and formaldehyde releasing agents. The CimShield Technology not only protects the product from outside influences but also shields the product from evaporation, resulting in low top up rates and thus reducing overall consumption. Cimperial 35-880 is a high performance extra heavy duty emulsion and absolutely hassle-free fluid that notably improves production. It provides a high quality finish and excellent stability. This stability ensures a long fluid life, which makes Cimperial 35-880 a very cost-effective product.

Methods of application

Cimperial 35-880 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 temperature conditions should be 5 - 25°C.

Recommended starting concentration

Grinding and machining, starting concentration	5 - 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 or TA Kit.

Concentration analysis

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

Refractometer factor:	1.0
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If the refractometer is used, the resultant reading multiplied by a factor of 1.0 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	0.88	0.80	0.71	0.62	0.54	0.45	0.36	0.27	0.19	0.10

Handling and storage

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

Packaging type

200 and 1000 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.



Cimcool Industrial Products
Schiedamsedijk 20
3134 KK Vlaardingen
The Netherlands
Tel: +31 (0)10-4600660
cimcool.eu@duboischemicals.com
www.cimcool.com

