

2-component system



Description

CimFlex, is a water miscible 2 component system providing ultimate flexibility to cover a wide range of machining and grinding applications with just 2 products. The alkaline “water phase” provides the corrosion protection for machines and parts whereas the “oil-phase” should be added to suit the lubricity requirements for the operations involved. Fluid costs are minimized because the “water-phase” and “oil-phase” can be controlled individually.

CimFlex 35-PQ210, boron and formaldehyde releasing agent free “water-phase” equipped with Cimcool’s unique CimShield® Technology. This innovative technology will secure, when mixed with CimFlex 35-PQ290, the pH buffering and gives excellent corrosion protection to parts and machines.

CimFlex 35-PQ290, boron and formaldehyde releasing agent free “oil-phase”. The CimFlex 35-PQ290 should be mixed into the mix of CimFlex 35-PQ210. The required concentration depends on the types of materials and operations.

CimFlex 35-PQ290 is compatible with all Cimcool semi synthetic and emulsion type cutting fluids and can be added to mixes to improve lubrication and enhance cutting properties.

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.

Methods of application

CimFlex 35-PQ210 and CimFlex 35-PQ290 are easy to mix. Always mix CimFlex 35-PQ210 first, when properly mixed add CimFlex 35-PQ290. For automatic mixing consult your local technical representative.

CimFlex 35-PQ290 can be added to existing Cimcool cutting fluid mixes.

Recommended starting concentration

	Aluminium alloys 35-PQ210 / 35-PQ290	Cast iron and carbon steel 35-PQ210 / 35-PQ290	Steel alloys and stainless steel 35-PQ210 / 35-PQ290
Grinding	2,5% / 2,0%	2,5% / 2,0%	2,5% / 2,0%
General machining	2,5% / 3,0%	2,5% / 3,0%	2,5% / 3,0%
Heavy duty machining	2,5% / 5,0%	2,5% / 4,0%	2,5% / 5,0%

Concentration analysis

For concentration analysis please contact your local technical representative.

Handling and storage

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

Packaging type

5, 20, 1000 and 200 litre and bulk.

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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