

TECHNICAL DATA SHEET



Product code: 8534

Sector: Industrial

Issue No: 2

Issue Date: 20/08/26

Millcool BFF Extra

Millcool BFF Extra is a premium semi-synthetic water soluble fluid engineered for the demanding machining of tough ferrous and non-ferrous alloys. This medium oil content coolant utilises a unique combination of chlorine-free lubricity additives to ensure superb machining performance. It is designed for use in soft to hard water conditions and exhibits low foaming and excellent emulsion stability. Engineered for endurance, Millcool BFF Extra is an extremely reliable coolant capable of providing extended operational life in difficult, demanding applications.

Features & Benefits

- Delivers superb machining performance on tough ferrous and non-ferrous alloys, using a medium oil content, chlorine free additive package built for demanding multi metal environments
- Maintains excellent emulsion stability and very low foaming across both soft and hard water conditions, so performance stays consistent regardless of local water supply
- Boron free, secondary amine free, and free from both formaldehyde release biocides and registered biocides, giving a genuinely clean compliance profile for hazard labelling and audit sign off

Application

Ideal for CNC Machining Centres and Lathes for multi-metal machining. Enhanced anti-bacterial package is suitable for central systems. Non-staining on 2000, 6000 & 7000 aluminium.

Material Suitability:

- Ferrous Alloys
- Aluminium Alloys
- Yellow Metals

Machining Operations & Recommended Dilution Rate:

Operation	Recommended Dilution Rate
Turning, Milling & Drilling	5-7%
Tapping & Threading	6-8%
Reaming & deep hole drilling	8-10%

Typical Characteristics

Emulsion appearance	Semi Translucent
pH at 5% in distilled water	9.5
IP 287 Corrosion break point	2.0%
Refractometer correction factor	1.4
Ester content	6%
Water hardness limit	0-450ppm