



FLUIDCUT AL

DESCRIPTION

Fluidcut AL is a high oil content water emulsifiable cutting and grinding fluid. It is a long life fluid, formulated for high performance on difficult machining operations. Primarily designed for use on difficult to machine aluminium alloys. It can also be used on a wide variety of ferrous metals.

APPLICATIONS

Turning, milling, drilling, sawing and most chip forming operations. General purpose surface, cylindrical and centreless grinding.

COMPATIBILITY

Suitable for a wide variety of water qualities
With hardness values typically between 50 and 450ppm
Fluidcut AL has a very low foaming tendency.

TYPICAL DATA

Concentrate

Appearance	Amber Liquid
Specific Gravity	0.97
Mineral Oil Content %	50

Emulsion

Appearance	White
pH at 3%	9.2
IP 287 Corrosion Test %	2.0
De foam ml(3% in 50ppm water)	Nil(15 secs)
Refractometer: Factor	1.0

STORAGE

The product should be stored under cover and protected from extreme temperatures (above 0°C and below 40°C). Avoid water collecting in the rim of upturned barrels.

SHELF LIFE

Fluidcut AL has a shelf life of six months from the date of supply.

MIXING .

F.T.G. advise the use of automated mixing systems. If the fluid is to be mixed manually, always add the concentrate to the water with maximum agitation. The emulsion strength should always be checked using a calibrated refractometer.