

# COOLCUT™ 400 U

Universal water miscible  
cutting lubricant

DESIGNED FOR MEDIUM  
TO SEVERE CUTTING  
& GRINDING PROCESSES

WATER MISCIBLE



**WALTER**  
Surface Technologies

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# COOLCUT™ 400 U



## Universal water miscible cutting lubricant

COOLCUT™ 400 U is a water miscible coolant for metal cutting processes on individual machine tools as well as on centralized systems. Its special formulation provides high emulsion stability, enhanced coolant life, superior washing action and safe chip removal for clean work spaces. This coolant is universally applicable for use in medium-severe cutting and grinding processes. It is suitable when processing mixed materials (cast iron, steels, yellow metals and aluminum).

### Features

- ▷ Oil content about 40%
- ▷ Bactericide-free
- ▷ Whitish, opaque emulsion

### Benefits

- ▷ Very stable emulsion, no bactericides
- ▷ Very low foam
- ▷ Universally applicable
- ▷ Enhanced coolant life
- ▷ Very good filterability

### Processes

● Preferred ● Qualified

Name	Turning	Milling	Drilling	Deep drilling	Threading tapping	Broaching	Surface and cylindrical grinding	Centerless grinding	Profile grinding
COOLCUT™ 400 U	●	●	●		●		●	●	●

### Materials

Name	Steels	Cast iron	Stainless steel	Aluminum	Yellow metals	Titanium	Carbide	Glass ceramics
COOLCUT™ 400 U	●	●	●	●	●			

### Technical Data

Density (15°C) = 0,981 g/cm<sup>3</sup>  
 Kinematic viscosity = 170 mm<sup>2</sup>/s (20°C)  
 Corr. protection = 5% rostfrei  
 pH (5%) = 9,6

### Mixing recommendation

When mixing manually, always pour the concentrate into drinking quality water while stirring.

### Tech Tip:

Use the COOLCUT™ cutting fluids proportioning system (53-L 165) for easy mixing.

### Recommended concentration

Minimum: 4%  
 Centerless grinding: 5 - 7%  
 Cutting: 5 - 15%

### Concentration control

By refractometer: measurement °Brix x F<sub>refr</sub> = Vol-%  
 F<sub>refr</sub> = 1,1

### Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	●	●	●	●	●

● Preferred ● Qualified

### ORDERING INFORMATION

Name	Product Number	Size
COOLCUT™ 400 U	58-A 507	20 L
COOLCUT™ 400 U	58-A 508	200 L
COOLCUT™ 400 U	58-A 509	1000 L



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