

COOLCUT™ SYN GRIND

Fully synthetic water miscible
coolant for surface grinding

SUITABLE FOR A WIDE
RANGE OF METALS AND
WATER HARDNESS

WATER MISCIBLE



WALTER
Surface Technologies

Only the best.™

COOLCUT™ SYN GRIND



Fully synthetic water miscible coolant for surface grinding

COOLCUT™ SYN GRIND is a water miscible coolant for grinding processes on individual machine tools as well as on centralized systems. The fluid's superior washing action ensures clean grinding wheels and perfect cooling. This coolant eliminates the need for lubricity during surface or circular grinding. It is most suitable for work with ferrous materials and glass.

Features

- ▷ Fully synthetic
- ▷ Free from secondary amines
- ▷ Long coolant life, even in poor conditions

Benefits

- ▷ Clear and colorless solution
- ▷ Very low foam
- ▷ Good grinding performance
- ▷ Enhanced coolant life
- ▷ Ideal price-to-performance ratio

Processes

● Preferred ● Qualified

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

Materials

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

Technical Data

Density (15°C) = 1,13 g/cm³
 Kinematic viscosity = 6 mm²/s(20°C)
 Corr. protection GG25 = 4% no corrosion
 pH (5%) = 9,5

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: 3%
 Surface grinding: 3 - 6%

Concentration control

By refractometer: measurement °Brix x F_{refr} = Vol-%
 F_{refr} = 2,0

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™ SYN GRIND	58-A 707	20 L
COOLCUT™ SYN GRIND	58-A 708	200 L



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