



WSO Highlights

- Highly tailor-made select any grit size and diamond concentration
- User-friendly stabilized formulation for high process reproducibility
- High cutting rate
- Excellent adherence to cutting wire

Oil-based diamond suspension

WSO

The oil-based ready-to-use diamond suspension WSO was developed for high performance multi-wire saw applications. The enhanced carrier oil increases cutting rate and reduces wire wear. Process stability is increased by means of the stabilized formulation which reduces the precipitation of the diamond particles.

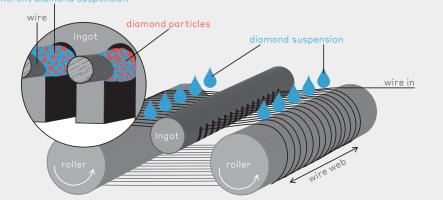
Typical application

multi-wire saw cutting of sapphire, SiC

Suspension type	Viscosity	Stability
WSO-50	65 cP	stabilized

Multi-wire sawing process illustration

adherent diamond suspension



PUREON



Suspensions are available in customer-tailored formulations in a wide range of viscosities, diamond types, grit sizes and concentrations. We are happy to assist you finding the best suitable products.

Product specifications

Order information

Order code	WSO-50/250 MONO-ECO 3 – 6 micron
Quantity	100 ltr
Packing unit	10 ltr
Packing Containers	. 10 ltr
Units	Liter [ltr]

Examples

Suspension type / diamond concentration

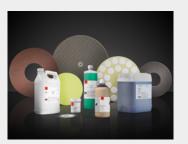
Suspension type	Diamond concentration ¹		
	low 250 cts/ltr	typical 500 cts/ltr	high 750 cts/ltr
WSO-50	WSO-50/250	WSO-50/500	WSO-50/750

 $^{\rm 1}$ Other diamond concentrations between 100 and 1'000 cts/ltr available.

Diamond type / size

Diamond grit size	MONO-ECO diamond ²
3 – 6 micron	MONO-ECO 3 – 6 micron
4 – 8 micron	MONO-ECO 4 – 8 micron
6 – 12 micron	MONO-ECO 6 – 12 micron

² Other diamond types/sizes available.



Pureon offers a wide range of customized solutions. More information can be found on www.pureon.com/products/overview