

WEDOLiT® AW 8321 (K 110)

Water-miscible High-performance Fluid



WEDOLiT AW 8321 is universally applicable for parts cleaning and corrosion protection. This mineral oil based product is not only suitable for steel, but also for non-ferrous metals. Utilising the latest technology, AW 8321 offers the possibility for a boron and formaldehyde free application.



Physical Properties Typical Data

Parameter	Typical results			Tested according to
Appearance:	Dark brown, clear-slightly turbid			Visual
Density at 15°C:	0.91 g/cm ³			ASTM D 7042
Viscosity at 40°C:	44.0 mm ² /s			ASTM D 7042
Flash point:	> 100 °C			DIN EN ISO 2719
pH-value [20%; 70°C]:	9.8			DIN EN ISO 10523
Conductivity [20%; 70°C]:	1850 µS/cm			DIN EN 27888
Corrosion protection properties				
Concentration:	10%	20%	100%	
Film weight:	1.8 g/m ²	4.7 g/m ²	5.2 g/m ²	Dipping procedure
Humidity test:	> 1 d	> 2 d	> 4 d	DIN EN ISO 6270-2 AHT
Salt spray performance:	< 2 h	< 16 h	> 24 h	DIN EN ISO 9227 NSS

Application Guidelines

The emulsion is prepared by slowly adding the concentrate to tap water (thorough mixing recommended).

Storage must be frost-free between 10 - 30°C.

The minimum durability is 12 months in an original sealed package.

Additional Information

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Choose WEDOLiT AW 8321:

- The product forms a stable emulsion, regardless of the concentration. Due to the electrolyte and temperature stability, an application in heated baths is possible (recommended temperature 60 - 80°C)
- Even at high temperatures the product is stable against contaminations (e.g. sodium sulfonates or phosphates)
- Easily removable with solvents or alkaline industrial cleaners
- For the corrosion protection it's important that treated parts are completely dry before packaging. Dependent on the concentration a minimal to slightly noticeable film is formed on the metal surface
- Very good compatibility with VCI foils
- Outstanding material compatibility (even at higher concentration)

Health and Safety

For further information, see the most recent SDS which is available directly from Master Fluid Solutions.

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