

Product Description

Chemical characterization	Organically modified zinc aluminium molybdenum orthophosphate hydrate
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WSA - Wide Spectrum Anticorrosive for application in both conventional and, in particular, modern resin systems.

Technical Data

	Unit	Value	Test Method
Zinc as ZnO	[%]	60.5 - 63.5	acc. to ISO 6745
Aluminium as Al ₂ O ₃	[%]	1.0 - 2.5	ICP-OES
Molybdenum as MoO ₃	[%]	0.2 - 0.9	ICP-OES
Phosphorous as P ₂ O ₅	[%]	25.5 - 28.5	acc. to ISO 6745
Organic content	[%]	typ. 0.2	
Water-soluble chloride	[%]	max. 0.025	acc. to ISO 787-13
Water-soluble sulphate	[%]	max. 0.05	acc. to ISO 787-13
Lead as Pb	[ppm]	max. 10	ICP-OES
Cadmium as Cd	[ppm]	max. 10	ICP-OES
Loss on ignition 600 °C	[%]	7.0 - 11.0	acc. to ISO 6745
Conductivity	[µS/cm]	max. 300	acc. to ISO 787-14
pH value		6.0 - 7.5	acc. to ISO 787-9
Density	[g/cm ³]	typ. 3.5	acc. to ISO 787-10
Bulk density	[g/cm ³]	typ. 0.5	
Tamped density	[g/cm ³]	typ. 1.0	acc. to ISO 787-11
Oil absorption	[g/100g]	typ. 18	acc. to ISO 787-5
Sieve residue 32 µm	[%]	max 0.01	acc. to ISO 787-7
Average particle size	[µm]	2.0 - 3.5	acc. to ISO 13319

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Application Profile			
Solvent based coatings			
Short and medium oil alkyds	+++		
Long oil alkyds	++		
High solids alkyds	+++	✓	
2K Epoxies	+++		
Epoxy esters	+++		
High solids epoxies	+++	✓	
2K Polyurethanes	+++		
High solids polyurethanes	+++	✓	
Moisture cured polyurethanes	+		
Silicone resins	+++		
Water based coatings			
Alkyd emulsions	+++	✓	
2K Epoxies	++	✓	
1K Polyurethanes	+++	✓	●
2K Polyurethanes	++	✓	
Silicone resins	++	✓	
Acrylic and modified acrylics	+	✓	●
Butadiens	++	✓	●
Specialty coatings			
Coil coatings			
Aircraft primers			
Wash and shop primers	++		●
Direct to metal	+++		
UV cured systems		✓	
Powder coatings	+++	✓	

+++ Excellent choice

++ Good choice

+ Possible choice

✓ Resin with low or no VOCs

● Additionally recommended in combination with HEUCORIN® RZ

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