

Aremco Ceramabind™ 542 High Temperature Inorganic Binder

Category : Ceramic

Material Notes:

Single part, low viscosity, water-dispersed, aluminum phosphate solution for penetrating ultra fine thermal spray applications to 3000°F (1650°C).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Ceramabind-542-High-Temperature-Inorganic-Binder.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	
Solids Content	22.0 %	22.0 %	by volume
	41.0 %	41.0 %	by weight
Volatile Organic Compounds (VOC) Content	0.000 g/l	0.000 g/l	
pH	2.50	2.50	
Viscosity	35.0 - 45.0 cP	35.0 - 45.0 cP	
Thickness	25.4 microns	1.00 mil	dry film
	115 microns	4.54 mil	wet film
Storage Temperature	55.0 - 85.0 °C	131 - 185 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	1650 °C	3000 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	50.0 - 90.0 °C	122 - 194 °F	Application Temp
Cure Time	60.0 - 120 min	1.00 - 2.00 hour	Air Set prior to curin
	60.0 min @Temperature 93.3 °C	1.00 hour @Temperature 200 °F	500°F at 1 hr, 700°F at 1 hr
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Color	Clear	
Theoretical Dry Film Coverage, ft2/gal	353	at 1 mil

Descriptive Properties	Value	Comments
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