



# G-COAT 500 Series

**Product Details:** G-COAT 500 series of water based liquid dispersions are available, where thinner coating and difficult geometries must be coated, and get enhanced properties such as wear & abrasion resistance and release properties, suitable for food contact applications, color natural.

G-COAT 500	A pure G-COAT dispersion with typical properties like, very high continuous use temperatures of 280°C (550°F), excellent wear, abrasion, chemical and excellent radiation resistance. Available in natural color, green & black.
G-COAT 501	These grades have been specifically formulated to provide a resilient coating with varying levels of lubrication to give combined high wear and abrasion resistance

## Typical Properties

PROPERTY	TEST METHOD/CONDITIONS	UNIT	G-COAT 500	G-COAT 501	G-COAT 501 LT
<b>General Properties</b>					
Appearance	-	-			
Max. Thickness	per coat	micron	100-120	100-120	40-60
Water Absorption	ASTM D 570-98	%	0.06	0.06	0.05
Solid Density	23°C	g/cc	1.3	1.3	1.3
Solid Content	-	%	45	50	35
Viscosity	DIN 53 211	sec	100	110	110

<b>Thermal Properties</b>					
Glass Transition Temperature(Tg)	ASTM D 3418	°C	152	152	152
Melting Point (Tm)	ASTM D 3418	°C	372	372	372
Continuous Use Temperature (Expected)	UL 746B	°C	280	280	280
Baking Temperature	Object Temperature	°C	420	420	420

<b>Fire Properties</b>					
Flammability	UL 94/0.8 mm	-	V-0	V-0	V-0

<b>Wear Properties</b>					
Abrasion Resistance after 1000 cycles	ASTM D 1242/wheel CS-10	mg	10	8	9

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