

PRODUCT HIGHLIGHTS

Opaque & Reflective Coatings for Glass, Metals & Quartz

- 845** Ceramic-metallic, brown-gray, opaque, waterborne coating for glass and quartz to 2000 °F. Also available in blue, silver, white, black, light or dark green.
- 850** Glass-ceramic, white, waterborne coating for glass and quartz to 1500 °F.
- CP4010-S**¹ Silicone-based, silver coating for glass, quartz and metal to 1100 °F.
- CP4040-S**¹ Silicone-glass-ceramic white coating for glass and quartz to 1100 °F.
- CP4040-S1**¹ Silicone-glass-ceramic white coating for metals to 1300 °F.

High Emissivity Coatings

- 840-C** Ceramic-black coating for ceramic fiberboards and refractories to 2500 °F.
- 840-CM** Ceramic-black coating for metals to 1200 °F, refractories to 2500 °F.
- 840-M** Ceramic-silicone black coating for carbon and stainless steel to 2000 °F.
- CP4000**¹ Silicone based, black coating for metals and refractories to 1100 °F.
- CP4000-S**¹ Silicone resin based, black coating for metals to 1100 °F.

Thermal Spray Sealers

- 503-VFG-C**² Ceramic-based, one-part, white, abrasion and corrosion resistant sealer to 3000 °F.
- CP2000**¹ Urethane-based, one-part, black, abrasion and corrosion resistant sealer to 400 °F.
- CP2070**¹ Corrosion resistant, two-part, gray, Novolac-epoxy to 300 °F.

Glass Sealers

- 613** Glass-based adhesive/sealer for use with ceramics to 1150 °F.
- 617** Glass-based adhesive/sealer for use with ceramics to 1450 °F.

Fiberoptic Adhesives / Sealers

- 380** Low viscosity, silicone adhesive and sealer for bonding fiber optics to ceramic and stainless steel ferrules to 716 °F (380 °C).
- 503-VFG-C**² Ceramic-based, one-part adhesive for bonding fiber optics to ceramic and stainless steel ferrules to 3000 °F (1650 °C).

Ceramic Fiberboard Sealers

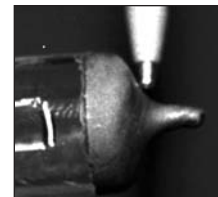
- CP40xx**¹ A series of colored coatings to prevent dusting of refractory boards to 1100 °F.

Electrical Coatings and Sealers

- 512-N** Ceramic coating for circuit breakers, resistors and solenoids to 2400 °F
- 529** Clear silicone sealer with exceptional electrical and moisture resistance to 600 °F.
- 538-N** Ceramic-gray coating for lug resistors and rheostats to 2600 °F. Also available with black and green pigments.
- CP40xx**¹ A series of silicone-ceramic coatings for motor windings and resistors to 1100 °F.

¹ Refer to Technical Bulletin A6 for details and available colors.

² Ceramacoat 503-VFG-C is a low viscosity version of Ceramabond 503. Refer to Tech Bulletin A2 for details.



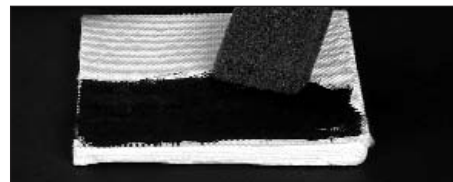
Quartz-Coat™ 845 Series coatings are used for auto headlamps, stadium lighting and semicon process vessels.



Quartz-Coat™ 850 coats quartz IR heater tubes.



HiE-Coat™ 840-M coats exhaust pipe insulation.



HiE-Coat™ 840-C coats ceramic infrared heater.



Cerama-Dip™ 538-N-Black coats rheostats.



Corr-Paint™ CP4050 coats resistor.



Corr-Paint™ CP4040-S white reflective coating for quartz lamps.



Ceramabond™ 503 bonds fiberoptics into metal ferrule.

HIGH TEMPERATURE SPECIALTY COATINGS & SEALANTS

Product Number	380	512-N	529	538-N	613	617	840-C	840-CM	840-M	845	845-BLACK	845-BLUE	845-GREEN	845-SILVER	845-WHITE	850
Tradename	Fiber-Bond	Ceramacoat	Aremco-Seal	Cerama-Dip	Aremco-Seal	Aremco-Seal	HiE-Coat	HiE-Coat	HiE-Coat	Quartz-Coat	Quartz-Coat	Quartz-Coat	Quartz-Coat	Quartz-Coat	Quartz-Coat	Quartz-Coat
Binder	Silicone Silicon Dioxide	Inorganic Silicon Dioxide	Silicone -----	Inorganic Zirconia Silicate	Glass -----	Glass -----	Inorganic Black Ceramic	Inorganic Black Ceramic	Inorganic Black Ceramic	Inorganic Silicon	Inorganic Black Ceramic	Inorganic Blue Ceramic	Inorganic Green Ceramic	Inorganic Mica	Inorganic Zirconia Silicate	Glass Titanium Dioxide
Major Constituent																
Max Operating Temp. °F (°C)	716 (380)	2400 (1316)	600 (316)	2600 (1427)	1150 (620)	1450 (788)	2500 (1371)	Metals: 1200 (649) Ceramics: 2500(1371)	2000 (1093)	2000 (1093)	1500 (816)	1500 (816)	1500 (816)	1500 (816)	1500 (816)	1500 (816)
No. Components	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Viscosity, cP	1,000-2,000	70,000-80,000	800-850	70,000-80,000	2,000-4,500	1,100-1,500	300-700	2,000-4,000	2,000-4,000	400-700	3000-4000	400-700	6000-7000	400-700	400-700	3,000-5,500
Specific Gravity, g/cc	1.06	1.93	1.15	3.10	1.35	1.45	1.50	1.75	1.40	1.55	1.74	1.56	1.66	1.49	1.83	1.65
Solids by Weight, %	21.0	76.0	42.0	87.0	53.5	57.0	47.5	56.8	42.5	51.0	55.8	61.0	52.8	42.5	60.0	55.5
Color (after curing)	Clear-Tan	Off-White	Clear	Gray	Gray	Clear	Black	Black	Black	Brown-Gray	Black	Blue	Lt Green or Dark Green	Silver-Matte	White	White
Air Set, Hr/Min	1-2 Hr	4-6 Hr	1 Hr	1 Hr	1 Hr	1 Hr	3 Hr	1 Hr	1 Hr	5 Min	5 Min	5 Min	5 Min	5 Min	5 Min	30 Min
Heat Cure, °F, Hr/Min	450, 1 Hr	200, 4 Hr + 300, 1 Hr	200, 1 Hr + 500, 1 Hr	200, 1 Hr + 350, 1 Hr	1150, 30 Min	1600, 30 Min	NR	200, 30 Min + 500, 1 Hr	200 F, 1 Hr	200, 5 Min + 900, 5 Min	200, 5 Min + 900, 5 Min	200, 5 Min + 900, 5 Min	200, 5 Min + 900, 5 Min	200, 5 Min + 900, 5 Min	200, 5 Min + 900, 5 Min	1600, 15 Min
Thinner	380-T	512-N-T	MEK	538-N-T	Water	Water	840-C-T	840-CM-T	840-M-T	845-T	845-T	845-T	845-T	845-T	845-T	Water
Flash Point, °F (°C)	> 212 (100)	NA	77 (25)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOC's, lbs/gal	0.5	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Shelf Life, months	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Storage Temperature, °F	40-90	40-90	40-90	40-90	40-90	40-90	40-90	40-90	40-90	40-90	40-90	40-90	40-90	40-90	40-90	40-90

Notes:

Properties for the following products described in Product Highlights section are provided in the indicated Technical Bulletin below:

- 503-VFG-C A2
- CP2000 A6
- CP2070 A6
- CP40xx-Series A6

538-N-Black
538-N-Green

Abbreviations:
NA - Not Applicable
NR - Not Required

845-GreenLT, Light Green
845-GreenDK, Dark Green

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