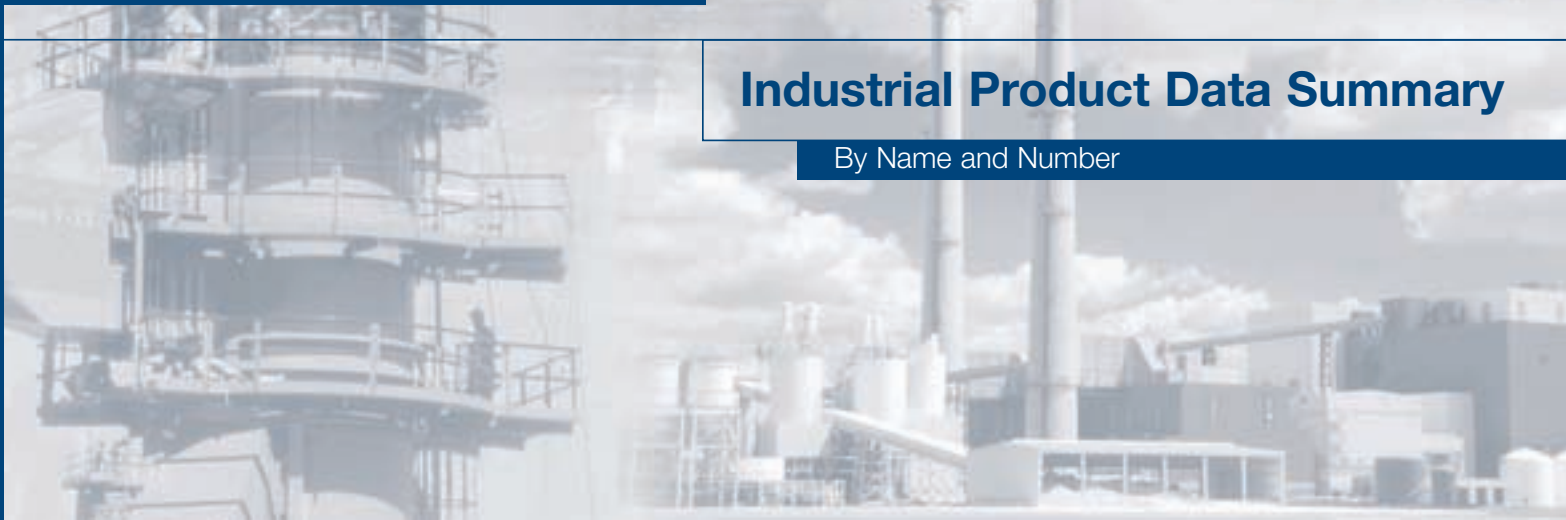




PPG Amercoat

Industrial Product Data Summary

By Name and Number



Product	Description	End Uses	% Vol Solids
AMERLOCK			
Amerlock 2	Fast drying surface tolerant epoxy	Fast-drying surface-tolerant coating for marginally prepared surfaces. Protects ship hulls, decks and superstructures, steel structures in industrial facilities, bridges, tank exteriors, marine weathering, offshore, oil tanks, piping, roofs, water towers. NSF approved, VOC compliant.	83
Amerlock 400	High-solids epoxy	Multi-purpose, high-solids, VOC-compliant epoxy coating, compatible with marginally prepared surfaces. USDA-approved for indirect food contact and NSF approved for potable water. Time to immersion: 7-days @ 70°F.	83
Amerlock Sealer	100% solids epoxy sealer	Used for marginally prepared steel and old coatings. Excellent resistance to corrosive environments. Can be used as a concrete curing compound.	100
EPOXY COATINGS			
Amercoat 68HS	Zinc-rich epoxy primer	New construction primer over bare steel. Field maintenance over bare steel or over steel coated with organic/inorganic zinc.	70
Amercoat 78HB	Coal tar epoxy	Lining for immersion in crude oil, salt solutions, water, seawater, waste water treatment. Coating for pilings, pipe, and marine structures.	78
Amercoat 90HS	Epoxy-phenolic	Prepared steel and concrete exposed to splash, spillage, fumes (chemical/weather). Tanklining for potable water to 140°F, solvents, crude and fuel oils, alkaline and non-oxidizing salts. (See chemical resistance list.)	64
Amercoat 91	Epoxy novolac tank lining	Used as a high-performance tank lining for road tankers and storage tanks in the chemical and petrochemical industries. Excellent protection for prepared steel and concrete exposed to chemical immersion, splash, spillage, and fumes.	54
Amercoat 240	Universal epoxy	High solids, low VOC surface-tolerant universal epoxy coating. Low temperature cure down to 0°F. For use as a direct-to-metal primer for various topcoats, industrial structural steel, machinery, piping, tank exteriors. NSF approved for potable water.	87
Amercoat 335	Waterborne epoxy acrylic	Light duty floors, walls. Food processing plants. Institutional Industrial maintenance and new construction. Marine applications above water. USDA approved for incidental food contact.	43 ± 3% (36 clear)
Amercoat 351	100% solids epoxy	Chemical tank lining, wastewater and non-potable water tank lining, pipe lining and coating. Abrasion-resistant concrete and steel protection. 100% solids, "0" VOC, high-performance epoxy.	100
Amercoat 370	Fast-dry multi-purpose epoxy	Tank exteriors, structural steel, piping in chemical plants, refineries, etc., ballast tank service, anticorrosive under antifoulings. Fast-dry/fast-curing, self-priming, high-build coatings. Cures down to 20°F. Time to immersion: 24hrs @ 70°F. NSF approved.	63
Amercoat 383H	Epoxy intermediate coat	High solids, high build intermediate coat providing outstanding adhesion to zinc rich primers for use in atmospheric, marine and industrial environments.	77
Amercoat 385	Multi-purpose epoxy	Industrial structural steel, machinery, piping, tank exteriors. Tank lining for fresh/salt water. Marine applications including decks, hulls, ballast tanks, and superstructures. Time to immersion: 48 hrs @ 70°F.	68
Amercoat 395FD	High-solids amine-cured epoxy tank lining	Tank lining for fuel storage. Industrial maintenance. NSF for potable water. Marine: oil tanks, cargo holds. FDA/USDA approved for direct and indirect food contact.	86

Rec DFT mils	Coverage Sq Ft	Components	Mixing Ratio	Pot Life @70°F(21°C)	Dry Thru @90°F(32°C)	Dry Thru @70°F(21°C)	Dry Thru @50°F(10°C)	Dry Thru @32°F(0°C)	VOC lbs/gal
4-8 mils	266@5 mils	2	1R:1C	1 hr	2 hr	4.5 hrs	13 hrs	38 hrs	1.5
4-8 mils	266@5 mils	2	1R : 1C	2.5 hrs	12 hrs	20 hrs	40 hrs	140 hrs	1.5
1.5 mils	1069@1.5 mils	2	1R:1C	1 hr	22 hrs	28 hrs	36 hrs	52 hrs	0.0
3 mils	374@3 mils	3	1 or 5 gal unit as packaged	16 hrs	4 hr	8 hr	36 hr	See PDS	2.4
16 mils	78@16 mils	2	19R : 1C	4 hrs	10 hrs	15½ hrs	48 hrs	NR	1.9
4-6 mils	257@4 mils	2	4R : 1C	4 hrs	8 hrs	12 hrs	24 hrs	NR	2.7
5-6 mils	867@1 mils	2	7.3R:1C	6 hrs	--	16 hrs	--	--	3.42
4-12 mils	1395@1 mil, 233@6 mils	2	4R:1C	3 hrs	6 hrs	8 hrs	13 hrs	30 hrs	1.2
2-3 mils	229@3 mils (clear 192@3 mils)	2	8R : 1C	8 hrs	1.5 hrs.	6.5 hrs	48 hrs	NR	2.4
8-12 mils	201@8 mils	2	3R : 1C	1 hr	12 hrs	18 hrs	60 hrs	NR	0
4-6 mils	202@5 mils	2	4R : 1C	4 hrs	1 hr	1½ hrs	4 1/2 hrs	9 hrs	2.5
4-8 mils	308@4 mils	2	1R:1C	2 hrs	10 hrs	16 hrs	24 hrs	NR	1.9
4-6 mils	265@4 mils	2	1R : 1C	3 hrs	10 hrs	16 hrs	24 hrs	168 hrs	2.3
3-5 mils	345@4 mils	2	4R : 1C	10 hrs	8 hrs	14 hrs	72 hrs	110 hrs	1.8

Product	Description	End Uses	% Vol Solids
Amercoat 3207	Waterborne epoxy primer	Provides excellent corrosion protection for steel and as a weldable preconstruction primer.	39
PSX			
PSX 700	Engineered siloxane	Epoxy siloxane coating which replaces epoxy/aliphatic polyurethane system in one coat. Exceptional gloss retention, corrosion resistance, and abrasion resistance. Low VOC. NFPA Class A, USDA-approved for incidental food contact.	90
PSX 1001	Single-pack acrylic polysiloxane	Provides a polyurethane-like finish, in one component, without the isocyanate, as well as better weathering than a standard aliphatic polyurethane.	55
AMERSHIELD			
Amershield	Aliphatic polyurethane	High-gloss, concrete walls, floors. Rail car exterior and hopper lining. High-solids, gloss-retentive finish coat with impact and abrasion resistance. USDA-approved incidental food contact. Low VOC.	73
POLYURETHANES			
Amercoat 450H	Gloss aliphatic polyurethane topcoat	Recoatible acrylic polyurethane finish topcoat where attractive appearance polyurethane and long-term gloss and color retention are desired. VOC compliant.	67
Amercoat 450HSG	Semi-gloss aliphatic polyurethane topcoat	Semi-gloss finish polyurethane topcoat where attractive appearance and long-term gloss and color retention are desired.	65
DIMETCOTES AND INORGANIC COATINGS			
Dimetcote 9	Inorganic zinc silicate primer	Fast-dry shop primer for shop-fabricated steel. General purpose industrial, solvent-based IOZ primer.	See PDS
Dimetcote 9H	Inorganic zinc silicate primer	VOC- compliant, fast-drying, solvent based inorganic zinc primer.	See PDS
Dimetcote 9VOC	Inorganic zinc silicate primer	Used for structural steel, piping, tank exteriors, bridges, offshore platforms, marine hulls, superstructures and decks.	See PDS
Dimetcote 21-5	Water-based inorganic zinc silicate primer	Used for industrial OEMs, structural steel zinc silicate primer.	See PDS
Amercoat 741	Solvent-base, self-cure inorganic topcoat	Use over Dimetcote surfaces to provide uniform color and excellent resistance to solvents, high temperature, and radiation.	63
WATERBORNE ACRYLIC COATINGS			
Amercoat 220	Waterborne acrylic	DTM for light service on exterior, interior surfaces. Ideal for concrete, masonry. May use over tightly adhering old paint/ primed surfaces. Flexible, cleanable, glossy finish. Resists cracking, peeling, impact.	35
ALKYD COATINGS			
Amercoat 185HS	Universal primer	Structural steel, tank exteriors against weathering/industrial environments. High-solids, VOC-compliant, single-pack primer. Can be used over a range of substrates. Compatible with various topcoats.	63

Rec DFT mils	Coverage Sq Ft	Components	Mixing Ratio	Pot Life @70°F(21°C)	Dry Thru @90°F(32°C)	Dry Thru @70°F(21°C)	Dry Thru @50°F(10°C)	Dry Thru @32°F(0°C)	VOC lbs/gal
1 mil	625@ 1 mil	2	8R:1C	24 hrs	1.5 hrs	2 hrs	48 hrs	NR	1.9
3-7 mils	289@5 mils	2	4R : 1C	4 hrs	4 hrs	6 hrs	11 hrs	38 hrs	1.0
2-3 mils	441@2 mils	1	--	--	8 hrs	12 hrs	24 hrs	NR	3.2
5 mils	234@5 mils	2	4R : 1C	2.5 hrs	5 hrs	10 hrs	72 hrs	See PDS	2.2
2-3 mils	537@2 mils	2	4R : 1C	4 hrs	4 hrs	8 hrs	24 hrs	--	2.8
2-3 mils	521@2 mils	2	4R : 1C	4 hrs	6 hrs	18 hrs	36 hrs	See PDS	2.5
2.5 mils	397@2.5 mils	2	As packaged	24 hrs	--	18 min	--	--	4.1
3-4 mils	427@3 mils	3	As packaged	8 hrs	10 min	20 min	40 min	--	2.7
3-4 mils	379@3 mils	2	As packaged	12 hrs	10 min	25 min	50 min	--	3.4
3 mils	336@3 mils	2	As packaged	8 hrs	15 min	30 min	45 min	NR	0.0
3-8 mils	336@3 mils	1	--	--	--	12 hrs	--	--	3.1
2-5 mils	280@2 mils	1	--	--	1 hr	3 hrs	13 hrs	NR	1.5
2-3 mils	337@3 mils	1	--	--	3 hrs	6 hrs	12 hrs	16 hrs	2.7

Product	Description	End Uses	% Vol Solids
Amercoat 5105	Alkyd primer	Corrosion-resistant primer for structural steel to be topcoated with alkyd or other conventional finish coats.	60
Amercoat 5450	Alkyd gloss topcoat	Topcoat designed to protect and enhance the appearance of power plants, industrial structures, wastewater treatment, railcars, marine exterior, and institutional maintenance.	45
SPECIALTY PRODUCTS			
Amercoat 43	One-coat transmission tower coating	Protects steel and galvanized transmission tower surfaces in one coat. Rust inhibitive coating.	87
Prep 88	Water-based cleaner	Used for cleaning and degreasing soiled or chalked surfaces.	--
Amercoat 851	Flow control additive	Use with Amershield, Amercoat 450HS or Amercoat 450SA for application by brush or roller to provide a smooth coating and improve the appearance of the topcoat.	--
Amercoat 861	Accelerator	Use with mixed units of Amerlock 400, 400AL, 400GFK, or Amercoat 385, 385PA, 68HS or Tideguard 171A to accelerate hardening at low temperatures.	--
Amercoat 866M	Accelerator	Use with mixed units of Amershield or Amercoat 450HS to accelerate hardening at low temperatures.	--
Amercoat 880	Glassflake additive	Used with mixed units of Amerlock 2/400, Amercoat 385, Amercoat 91 or Amercoat 351 to increase film build and lower moisture vapor permeability.	--
Amercoat 884	Additive	Use with mixed units of Amercoat 351, to increase film build in one application.	--
Amercoat 885	Anti-slip additive	Used with mixed units of Amercoat 385 to provide an anti-slip finish. Amercoat 385 + 885 is a tough, anti-slip epoxy coating used to provide corrosion protection and a long lasting anti-slip surface over steel.	--
Amercoat 886	Anti-slip additive	A non-sparking natural pumice (50 - 70 mesh average) used with mixed Amercoat, Amerlock or Amershield to provide an anti-slip finish.	--
Amercoat 888	Anti-slip additive	A blended aluminum oxide aggregate used with mixed units of Amerlock 400GFK or Amerlock 400 with 880 glassflake additive to provide an anti-slip finish.	--
Amerase Cleaner	Graffiti Cleaner	For use in cleaning graffiti from Amershield coated surfaces.	0
Tideguard 171A	Spray-on epoxy cladding	Cladding on carbon steel for tidal and splash zone areas of offshore structures and pilings.	100
NU-KLAD PRODUCTS			
Nu-Klad 100A	Solvent-free epoxy surfacer	Spray-on monolithic epoxy surfacer which resists a wide range of acids, alkalis and solvents. Withstands heavy traffic and abrasion.	100
Nu-Klad 103N	100% solids novolac epoxy	Used in chemical resistant applications. Provides a cleanable, high gloss surface.	100
Nu-Klad 110C	Epoxy Surfacer	Trowel-applied floor surfacer for protection and resurfacing concrete floors in heavy industrial environments. Can be applied at ¼" thickness.	100

Rec DFT mils	Coverage Sq Ft	Components	Mixing Ratio	Pot Life @70°F(21°C)	Dry Thru @90°F(32°C)	Dry Thru @70°F(21°C)	Dry Thru @50°F(10°C)	Dry Thru @32°F(0°C)	VOC lbs/gal
2-3 mils	994@1 mil	1	--	--	--	24 hrs	--	--	2.33
1.5-2.5 mils	361@2 mils	1	--	--	--	24 hrs	--	--	3.3
6-8 mils	232@6 mils	1	--	--	--	48 hrs	--	--	1.2
--	--	1	Refer to PDS	--	--	--	--	--	0.0
--	--	1	Refer to PDS	--	--	--	--	--	See PDS
--	--	1	See PDS	See PDS	Depending on system to which it is added.				0.0
--	--	1	0.5 pint per mixed 5 gals	See PDS	Depending on system to which it is added.				0.0
Refer PDS	--	1	Refer to PDS	Refer to PDS	--	--	--	--	0.0
Refer to PDS	--	1	Refer to PDS	--	--	--	--	--	0.0
See to PDS	--	1	--	--	--	--	--	--	--
--	--	1	Refer to PDS	--	--	--	--	--	0.0
--	--	1	Refer to PDS	--	--	--	--	--	0.0
NA	NA	1	NA	NA	NA	NA	NA	NA	8.1
$\frac{3}{16}'' \pm \frac{1}{16}''$	28@ $\frac{3}{16}''$	3	As packaged	1hr	5 hrs	10 hrs	See PDS	NR	0.03
$\frac{1}{8}'' - \frac{3}{16}''$	43@ $\frac{1}{8}''$	3	As packaged	1 hr	8 hrs	28 hrs	56 hrs	NR	0.03
10-30 mils	160@10 mils	2	Mix full kits only	40 mins	Foot traffic 18 hrs Heavy traffic 72 hrs Full cure 5 days	24 hrs 96 hrs 7 days	NR	NR	0.05
--	25@ $\frac{1}{4}''$	3	Mix full kits only	30 mins	Foot traffic 6 hrs Heavy traffic 18 hrs Full cure 5 days	8 hrs 24 hrs 7 days	NR	NR	0.03

Product	Description	End Uses	% Vol Solids
Nu-Klad 114A	Epoxy filler compound	Filler for steel or concrete to fill holes, voids, surface discontinuities up to one inch.	100
Nu-Klad 120A	Self-leveling epoxy surfacer	Spreadable, self-leveling epoxy concrete surfacer which yields a smooth, cleanable, chemical-resistant floor.	100
Nu-Klad 126	100% solids self leveling epoxy for floor	Used for various flooring applications from decorative to severe duty. Easy to apply. 0 VOCs. Available with quartz and vinyl flake additives for decorative floor applications. Can be applied via squeegee and backrolling.	100
Nu-Klad 127	100% solids epoxy primer/sealer	Use as a concrete primer for Nu-Klad 126 or Nu-Klad/PSX 758 systems for decorative to severe-duty floor coating applications.	100
Nu-Klad 128	Waterborne epoxy primer/sealer.	Use as a concrete primer for Nu-Klad 126 systems.	40
Nu-Klad 750A/760A	Polyurethane elastomeric pourable joint filler compound	Pourable polyurethane elastomeric expansion joint compound with excellent elongation properties.	See PDS
Nu-Klad 965	Acrylic modified cement	Applied at thicknesses up to ½" to repair damaged areas of concrete or to repitch floors for proper drainage.	90
PSX 758	Engineered siloxane surfacer	For use in moderate to severe chemical exposure environments such as pulp and paper, wastewater treatment, and metal finishing operations.	100
HIGH HEAT COATINGS			
Amercoat 872	High-heat modified zinc silicone primer	High temperature-resistant primer for use over uninsulated steel. 1000°F continuous, 1200°F peak. Resists thermal cycling.	42
Amercoat 873	High-heat modified silicone topcoat	High temperature resistance to 1000°F (colors) or 1200°F (black and aluminum). Resists thermal cycling.	34
Amercoat 874HS	Heat-resistant, Low VOC modified silicone topcoat	Low VOC, heat-resistant to 500°F, Color stable 450°F. Resists thermal cycling.	44 (colors) 33 (alum)
Amercoat 878	Silicone Coating	Used as a self-priming coating system over abrasive blast-cleaned steel.	31
PSX 892HS	Engineered siloxane	Self-curing, heat-resistant siloxane coating used over Dimetcote 9 or 9HS primer. Not recommended for thermal cycling.	64

Rec DFT mils	Coverage Sq Ft	Components	Mixing Ratio	Pot Life @70°F(21°C)	Dry Thru @90°F(32°C)	Dry Thru @70°F(21°C)	Dry Thru @50°F(10°C)	Dry Thru @32°F(0°C)	VOC lbs/gal
--	Dependent upon substrate condition	2	As packaged	2.5 hrs	9 hrs	18 hrs	36 hrs	NR	0.0
40-175 mils	88@40 mils	3	As packaged	0.75 hr	6 hrs	16 hrs	28 hrs	NR	0.0
10-30 mils	160@10 mils	2	2R:1C	50 fd cure 25	See PDS	—	See PDS	NA	0.0
6-10 mils	200@8mils	2	1.6R:1C	30 hrs	18 hrs	24 hrs	See PDS	NA	0.0
2-4 mils	320@2 mils	2	4R:1C	2 hrs	12 hrs	24 hrs	See PDS	NA	0.0
Recommended for joint depths up to ¼"	Will vary with joint width and depth	2	Mix full units only	0.5 hrs	48 hrs	72 hrs	96 hrs	NR	2.1
⅛"-½"	12@½"	2	As packaged	See PDS	See PDS	See PDS	See PDS	See PDS	0.0
40-60 mils	2935@1mil per kit	3	As packaged	2 hrs	See PDS	See PDS	See PDS	See PDS	0.0
1.5-2 mils	336@2 mils	2	As packaged	--	--	24 hrs	--	NR	3.5
1.5-2 mil	272@2 mils	1	--	--	12 hrs	24 hrs	36 hrs	NR	3.5
2-2.5 mil	282@2.5 mils (colors)	1	--	--	12 hrs	24 hrs	36 hrs	NR	3.5
1 mil	497@1mil	1	--	1 hr	--	1 hr	--	--	5.4
2 mils	514@ 2mils	1	--	--	2 hrs	10 hrs	24 hrs	NR	2.7

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