



Global Systems Guide

System Reference	Surface area and exposure conditions	Coating System	Surface Preparation	Typical Dry Film Thickness	
				Microns	Mils
I. EXTERIOR SURFACES					
A-1	Structural steel, pipe racks, including non-immersion marine, with operating temperatures of less than 250°F (121°C)	Dimetcote 9 Series Inorganic Zinc Primer	SSPC-SP-10 (SA 2 1/2)	75 - 100	3 - 4
		Amercoat 383H High-build Epoxy Intermediate		125 - 150	4 - 6
A-2	Caissons, steel piles and steel in splash zone	Amercoat 450 Series Aliphatic Urethane	SSPC-SP-10 (SA 2 1/2)	50 - 75	2 - 3
				250 - 325	9 - 13
B-1	Caissons, steel piles and steel in immersion	Dimetcote 9 Series Inorganic Zinc Primer	SSPC-SP-10 (SA 2 1/2)	75 - 100	3 - 4
		PSX 700 Series Polysiloxane		125 - 150	5 - 7
C-1	Galvanized surfaces		SSPC-SP-7 (SA 1)	200 - 300	8 - 12
				400 - 600	16 - 24
D-1	Un-insulated with operating temperatures of less than 250°F (121°C)	Amerlock Glassflake Epoxy Series	SSPC-SP-10 (SA 2 1/2)	400 - 500	16 - 20
		Amercoat 385 Multi-purpose Epoxy		400 - 500	16 - 20
E-1	Un-insulated with operating temperatures of less than 250°F (121°C)	Amercoat 450 Series Aliphatic Polyurethane	SSPC-SP-10 (SA 2 1/2)	800 - 1,000	32 - 40
E-2	Un-insulated with operating temperatures of less than 250°F (121°C)	Amercoat 78HB Series Coal Tar Epoxy ¹	SSPC-SP-10 (SA 2 1/2)	200 - 300	8 - 12
		Amercoat 78HB Series Coal Tar Epoxy		200 - 300	8 - 12
F-1 Americas	Insulated with operating temperatures of less than 250°F (121°C)	Amercoat 385 Multi-purpose Epoxy	SSPC-SP-7 (SA 1)	125 - 150	5 - 6
		Amercoat 450 Series Aliphatic Polyurethane		50 - 75	2 - 3
F-2 Europe	Insulated with operating temperatures of less than 250°F (121°C)		SSPC-SP-10 (SA 2 1/2)	175 - 225	7 - 9
II. TANK EXTERIORS					
E-1	Un-insulated with operating temperatures of less than 250°F (121°C)	Dimetcote 9 Series Inorganic Zinc Primer	SSPC-SP-10 (SA 2 1/2)	75 - 100	3 - 4
		Amercoat 383H High-build Epoxy Intermediate		125 - 150	4 - 6
E-2	Un-insulated with operating temperatures of less than 250°F (121°C)	Amercoat 450 Series Aliphatic Urethane	SSPC-SP-10 (SA 2 1/2)	50 - 75	2 - 3
				250 - 325	9 - 13
F-1 Americas	Un-insulated with operating temperatures of 251 to 400°F (122 to 204°C)	Dimetcote 9 Series Inorganic Zinc Primer	SSPC-SP-10 (SA 2 1/2)	75 - 100	3 - 4
		Amercoat 874HS Modified Silicone		40 - 50	1.5 - 2
F-2 Europe	Un-insulated with operating temperatures of 251 to 400°F (122 to 204°C)		SSPC-SP-10 (SA 2 1/2)	115 - 150	4.5 - 6
G-1	Insulated with operating temperatures of less than 250°F (121°C)	Dimetcote 9 Series Inorganic Zinc Primer	SSPC-SP-10 (SA 2 1/2)	75 - 100	3 - 4
		PSX 700 Series Polysiloxane		125 - 150	5 - 7
G-1	Insulated with operating temperatures of less than 250°F (121°C)		SSPC-SP-10 (SA 2 1/2)	200 - 250	8 - 11
F-1 Americas	Un-insulated with operating temperatures of 251 to 400°F (122 to 204°C)	Dimetcote 9 Series Inorganic Zinc Primer	SSPC-SP-10 (SA 2 1/2)	75 - 100	3 - 4
		Amercoat 874HS Modified Silicone		40 - 50	1.5 - 2
F-2 Europe	Un-insulated with operating temperatures of 251 to 400°F (122 to 204°C)		SSPC-SP-10 (SA 2 1/2)	115 - 150	4.5 - 6
G-1	Insulated with operating temperatures of less than 250°F (121°C)	Amercoat 91 Novolac Epoxy	SSPC-SP 10 (SA 2 1/2)	75 - 125	3 - 5
		Amercoat 91 Novolac Epoxy		75 - 125	3 - 5
G-1	Insulated with operating temperatures of less than 250°F (121°C)		SSPC-SP 10 (SA 2 1/2)	150 - 250	6 - 10
Notes:	<p>* These are general guides only. Contact Ameron for recommendations to meet your specific project requirements. (1) Amercoat 78HB / Amercoat 78HB should be applied "wet-on-wet," allowing for a flash-off time of one-half hour to one hour at 68°F (20°C). A one-coat application of Amercoat 78HB at 16mils is also an option; however, the two-coat application reduces the possibility of "holidays."</p>				



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III. TANK LININGS					
H-1	Potable water / fire water tanks (approvals vary by country)	NSF-approved System: Amerlock Series High-solids Epoxy ² Amerlock Series High-solids Epoxy	SSPC-SP-10 (SA 2 1/2)	125 - 175	5 - 7
				125 - 175	5 - 7
				250 - 350	10 - 14
J-1	Methanol storage tanks	Dimetcote 9 Series Inorganic Zinc Primer	SSPC-SP-10 (SA 2 1/2)	65 - 75	2.5 - 3
K-1	Diesel fuel storage tanks ³	Amercoat 385 Multi-purpose Polyamide Epoxy ² Amercoat 385 Multi-purpose Polyamide Epoxy	SSPC-SP-10 (SA 2 1/2)	100 - 150	4 - 6
				100 - 150	4 - 6
				200 - 300	8 - 12
IV. PIPING, VESSELS, REACTORS AND EQUIPMENT					
L-1	Un-insulated with operating temperatures of less than 250°F (121°C) and not subject to steam-out	Dimetcote 9 Series Inorganic Zinc Primer Amercoat 383H High-build Epoxy Intermediate Amercoat 450 Series Aliphatic Urethane	SSPC-SP-10 (SA 2 1/2)	75 - 100	3 - 4
				125 - 150	4 - 6
				50 - 75	2 - 3
L-2		Dimetcote 9 Series Inorganic Zinc Primer PSX 700 Series Polysiloxane	SSPC-SP-10 (SA 2 1/2)	75 - 100	3 - 4
				125 - 150	5 - 7
				200 - 250	8 - 11
M-1	Un-insulated with operating temperatures of up to 425°F (218°C), or subject to steam-out and cyclical service to 450°F (232°C)	Amercoat 91 Novolac Epoxy Amercoat 91 Novolac Epoxy	SSPC-SP-10 (SA 2 1/2)	75 - 125	3 - 5
				75 - 125	3 - 5
				150 - 250	6 - 10
N-1	Insulated and uninsulated with operating temperatures of up to 400 to 1000°F (204 to 540°C)	Amercoat 878 Series Silicone Aluminum ⁴ Amercoat 878 Series Silicone Aluminum	SSPC-SP 10 (SA 2 1/2)	20 - 30	0.8 - 1.2
				20 - 30	0.8 - 1.2
				40 - 60	1.6 - 2.4
O-1	Fireproofed or insulated skirts -- all standard temperatures for this service	Amercoat 91 Novolac Epoxy Amercoat 91 Novolac Epoxy	SSPC-SP 10 (SA 2 1/2)	75 - 125	3 - 5
				75 - 125	3 - 5
				150 - 250	6 - 10
P-1	Un-fireproofed or un-insulated Skirts	Amercoat 68 Series Organic Zinc-rich Epoxy PSX 700 Polysiloxane	SSPC-SP 10 (SA 2 1/2)	75 - 100	3 - 4
				125 - 150	5 - 7
				200 - 250	8 - 11
V. AUSTENITIC STAINLESS STEEL					
Q-1	Insulated and un-insulated surfaces operating from below 32 to 450°F (0 to 232°C)	Amercoat 91 Novolac Epoxy Amercoat 91 Novolac Epoxy	SSPC-SP-10 (SA 2 1/2)	100 - 150	4 - 6
				100 - 150	4 - 6
				200 - 300	8 - 12
Notes:	<p>* These are general guides only. Contact PPG for recommendations to meet your specific project requirements.</p> <p>(2) Epoxy tank linings are to receive a stripe coat of the specified material on all welds, edges and rough spots between the first and second coats.</p> <p>(3) For other cargoes, more aggressive fuels, or gases, contact PPG Technical Services for a suitable recommendation.</p> <p>(4) Other proprietary products could also be recommended in certain geographic regions; however, PPG should then be contacted for an alternate recommendation.</p>				