



Global Systems Guide

System Reference	Surface area and exposure conditions	Coating System	Surface Preparation	Typical Dry Film Thickness	
				Microns	Mils
STRUCTURAL STEEL					
A-1	Exterior surfaces. Severe conditions (C5-M/I)	Dimetcote 9 Series Amercoat 385 or 383H ⁽¹⁾ Amercoat 450 Series ⁽²⁾	SSPC-SP 10 (Sa 2-1/2)	65 - 100	2.5 - 4
				125 - 150	5 - 6
				50 - 75	2 - 3
				240 - 325	9.5 - 13
A-2		Dimetcote 9 Series PSX 700	SSPC-SP 10 (Sa 2-1/2)	65 - 100	2.5 - 4
				125 - 150	5 - 6
				190 - 250	7.5 - 10
B-1	Exterior surfaces. Corrosive (C4)	Amercoat 68 Series Amercoat 385 or 383H ⁽¹⁾ Amercoat 450 Series ⁽²⁾	SSPC-SP 10 (Sa 2-1/2)	50 - 100	2 - 4
				125 - 150	5 - 6
				50 - 75	2 - 3
				225 - 325	9 - 13
C-1	Interior surfaces. Corrosive (C4)	Amercoat 68 Series Amercoat 385 ⁽¹⁾ or Amerlock Series	SSPC-SP 10 (Sa 2-1/2)	50 - 100	2 - 4
				125 - 150	5 - 6
				175 - 250	7 - 10
C-2		Amercoat 68 Series Amershield Series	SSPC-SP 10 (Sa 2-1/2)	50 - 100	2 - 4
				125 - 150	5 - 6
				175 - 250	7 - 10
C-3		Amerlock Series Amershield Series	SSPC-SP 10 (Sa 2-1/2)	50 - 100	2 - 4
				125 - 150	5 - 6
				175 - 250	7 - 10
C-4		Amercoat 385 ⁽¹⁾ Amercoat 385 ⁽¹⁾ Amercoat 450 Series ⁽²⁾	SSPC-SP 10 (Sa 2-1/2)	100 - 125	4 - 5
				100 - 125	4 - 5
				50 - 75	2 - 3
				250 - 325	10 - 13
D-1	Interior surfaces (C2/3)	Amercoat 385 ⁽¹⁾ or Amerlock Series Amercoat 385 ⁽¹⁾ or Amerlock Series	SSPC-SP 10 (Sa 2-1/2)	125 - 150	5 - 6
				125 - 150	5 - 6
				250 - 300	10 - 12
D-2		Amercoat 5105 Series Amercoat 5400 Series	SSPC-SP 10 (Sa 2-1/2)	50 - 75	2 - 3
				50 - 75	2 - 3
				100 - 150	4 - 6
STRUCTURAL STEEL CONTINUOUSLY IMMERSSED AND PARTLY DRIVEN INTO THE SEA BED					
E-1	Exterior surfaces.	Amerlock Glass Flake Epoxy Series Amerlock Glass Flake Epoxy Series	SSPC-SP 10 (Sa 2-1/2)	400 - 500	16 - 20
				400 - 500	16 - 20
				32 - 40	
E-2		Amercoat 385 Amercoat 385	SSPC-SP 10 (Sa 2-1/2)	200 - 250	8 - 10
				200 - 250	8 - 10
				400 - 500	16 - 20
Notes:	(1) Optional is Amercoat 370 for fast-dry and fast-topcoat option. (2) Optional is Amercoat 229 series when isocyanate-cured products are not desired.				



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TIDAL AREA/SPLASH ZONE AREAS					
F-1	Exterior surfaces.	Amerlock Glass Flake Epoxy Series	SSPC-SP 10	500 - 750	20 - 30
		Amerlock Glass Flake Epoxy Series	(Sa 2-1/2)	500 - 750	20 - 30
				1000 - 1500	40 - 60
F-2		Amercoat 385	SSPC-SP 10	200 - 250	8 - 10
		Amercoat 385	(Sa 2-1/2)	200 - 250	8 - 10
		Amerlock Glass Flake Epoxy Series		500 - 750	20 - 30
				900 - 1250	36 - 50
SPLASH ZONE AREAS					
G-1	Exterior surfaces.	Amercoat 385	SSPC-SP 10	200 - 250	8 - 10
		Amercoat 385	(Sa 2-1/2)	200 - 250	8 - 10
				400 - 500	16 - 20
G-2		Amercoat 385	SSPC-SP 10	200 - 250	8 - 10
		Amercoat 385	(Sa 2-1/2)	200 - 250	8 - 10
		Amercoat 450 Series ^{1,2}		50 - 75	2 - 3
				450 - 575	18 - 23
G-3		Amerlock Glass Flake Epoxy Series	SSPC-SP 10	500 - 750	20 - 30
		Amercoat 450 Series ^{1,2}	(Sa 2-1/2)	50 - 75	2 - 3
				550 - 825	22 - 33
COMPONENTS, MACHINERY AND EQUIPMENT					
H-1	Machined surfaces and cast iron components	Amerlock Series	Clean and dry	100 - 125	4 - 5
		Amercoat 450 Series ^{1,2}		50 - 75	2 - 3
				150 - 200	6 - 8
H-2	Machined surfaces and equipment with interior exposure	Amerlock Series	Clean and dry	100 - 125	4 - 5
		Amerlock Series		100 - 125	4 - 5
				200 - 250	8 - 10
H-3	Steel equipment, supports and welded components	Amercoat 68 Series	SSPC-SP 10	75 - 150	3 - 4
		Amerlock Series	(Sa 2-1/2)	125 - 150	5 - 6
				200 - 250	8 - 10
H-4	Steel and cast iron components primed with hot-spray zinc	PSX 700 Series	Apply directly after metalizing	125 - 150	5 - 6
H-5	Aluminum, seawater resistant	Amerlock Series	SSPC-SP 7	100 - 125	4 - 5
		PSX 700 Series or Amershield Series	(Sa 1)	100 - 125	4 - 5
			(non-metallic media)	200 - 250	8 - 10
FRICION AREA ON FLANGES					
J-1		Dimetcote 9 Series	SSPC-SP 10 (Sa 2-1/2)	65 - 100	2.5 - 4
ROTOR BLADES					
K-1	Epoxy or polyester laminate	PSX 700 Series	Clean with Amercoat 88 and roughen	100 - 125	4 - 5
K-2	Epoxy or polyester laminate	Amercoat 450 Series ^{1,2}	Clean with	50 - 75	2 - 3
		Amercoat 450 Series ^{1,2}	Amercoat 88	50 - 75	2 - 3
		OR:	and roughen	100 - 150	4 - 6
		One coat of Amershield Series			
Notes:	(1) Optional is Amercoat 229 series when isocyanate-cured products are not desired. (2) Amershield can also be used.				