

System Selection for Substation Equipment

System Reference	Surface	Surface Preparation (Steel Structures Painting Council)	Coating System	Number of Coats	Minimum Dry Mil Thickness (required per coat)
STEEL					
1A	Unpainted and/or Heavy Rust Transformers (Including Radiator Fins), Circuit Breakers, Equipment, Switchgear, Enclosures, etc.	SSPC SP-6 Commercial Blast (or) SSPC SP-11 Power Tool Clean to Bare Metal	Moderate Exposure KL6040 Tri-Polar White Primer	1	2.0 - 3.0
			KL6000 Tri-Polar Ferrite Primer	1	2.0 - 3.0
			KLF Series Kolor-Sil Enamel (or) 6-212 SPEEDHIDE® White	1	1.5 - 2.5
			6-208 Speedhide Red Oxide	1	2.0 - 3.0
			95-5000 Series SIL-SHIELD™	1	1.5 - 2.5
			Quick Dry 94-260 MULTI-PRIME® White Primer	1	1.5 - 2.0
			94-258 Multi-Prime Red Oxide	1	1.5 - 2.0
			95-5000 Series Sil-Shield	1	1.5 - 2.5
			Severe Exposure AK2/400 AMERLOCK® White Primer	1	3.0 - 5.0
			AK2/400 Amerlock Primer (tinted)	1	3.0 - 5.0
			AMERCOAT® 450H Series	1	2.0 - 3.0
1B	Previously Painted and/or Moderate Rust Transformers (Including Radiator Fins), Circuit Breakers, Equipment, Switchgear, Enclosures, etc.	SSPC SP-2 Hand Tool Clean (or) SSPC SP-3 Power Tool Clean as required	Moderate Exposure KL6040 Tri-Polar White Primer	Spot Prime	2.0 - 3.0
			KL6000 Tri-Polar Ferrite Primer	Spot Prime	2.0 - 3.0
			KLF Series Kolor-Sil Enamel (or) 6-212 Speedhide White	1	1.5 - 2.5
			6-208 Speedhide Red Oxide	Spot Prime	2.0 - 3.0
			95-5000 Series Sil-Shield	1	1.5 - 2.5
			Severe Exposure AK2/400 Amerlock AL Aluminum Primer	1	4.0 - 8.0
			Amercoat 450H Series	1	2.0 - 3.0



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