

SILICON No.700 SILVER PLUS

SILICON No.700 SILVER PLUS, is silicon heat resisting finish on inorganic zinc primer based on silicon resin pigmented with aluminium pigment.

It has the following characteristics.

1. Excellent heat resistance up to 600°C
2. Excellent compatibility with inorganic zinc primer
3. Drying and curing at ambient temperature.

TECHNICAL DATA

Type	Heat resisting silicon paint with aluminium				
Recommended Use	As finish coat for boiler, Cylinder of engine, the inside of the exhaust pipe, Radiator Stove, Oil burner, steam pipe, etc.				
Mixing Ratio	Base : Curing Accelerator = 100 : 2 (by volume) ,100 : 1.5 (by weight)				
Colour	Silver (Aluminium)				
Flash Point	Base = 27°C		Curing Accelerator = 40°C		
VOC	474 [g/litre]		EPA Method-24		
Solid by Volume	52.0 ± 2%				
Coverage (Theoretical)	0.05 - 0.08 l/m ² ; 20.8 - 13.0 m ² /l				
Wet Film Thickness	1.92 - 3.08 mils ; 48 - 77 microns				
Dry Film Thickness	1.00 - 1.60 mils ; 25 - 40 microns				
Drying Time	Temperature	10°C	20°C	30°C	40°C
(at D.F.T. 35 microns)	Surface Dry	40 mins.	30 mins.	20 mins.	15 mins.
	Hard Dry	12 hrs.	10 hrs.	8 hrs.	6 hrs.
Painting Interval	Minimum	18 hrs.	14 hrs.	12 hrs.	10 hrs.
(at D.F.T. 35 microns)	Maximum	-	-	-	-
Pot Life		12 hrs.	8 hrs.	5 hrs.	3 hrs.
Thinner	CMP-91				
Method of Application	Airless spray , Roller , Brush				
Conditions of Application	Temperature	Minimum 10°C			
	Humidity	Maximum 85% RH			
	For Airless spray :				
	Tip No.	GRACO 415			
	Paint output pressure	8.8 - 11.8 MPa.			
	Viscosity	10 - 20 sec (Ford Cup No.4)			
	Thinning	0 - 15 % by volume			
Preceding coats	Inorganic zinc, Silicon zinc primer, etc.				
Subsequent coats	-				
Packaging	Two pack product per set ; 3.785 Litres / Gallon				
Shelf life at 25°C	In unopened container 12 months				

Note : Dry film thickness of Silicon No.700 Silver Plus should be less than 50 microns per coat to avoid coating defects
The coating may be used on other substances. Please contact to TCP for more information.