

SILICON HR

SILICON HR, is a silicone heat resisting paint based on silicone resin pigmented with heat resisting pigment. It has excellent heat resistance (up to 700 °C), excellent weather resistance, excellent application workability, and excellent adhesion property.

TECHNICAL DATA

Type	Silicon resin heat resisting paint				
Recommended Use	As finish coat for boilers, cylinders of engine, inside of exhaust pipes, radiators, oil burners, etc.				
Information	Mixing Ratio	: Base : Curing Accelerator = 100 : 1.42 [by volume] : Base : Curing Accelerator = 100 : 1 [by weight]			
	Color	: White, Red brown, Light shade colours			
	Flash Point	: Base = 20.0, Curing Accelerator = 38.3 [deg C]			
	Density	: 1.32 [g/ml]			
	Volume Solid	: 39 ± 2 [volume %]			
	Coverage (Theoretical)	: 0.038 - 0.064 [L/m ²], 0.050 - 0.084 [kg/m ²]			
	Film Thickness	: WET 38 - 64 [microns] : DRY 15 - 20 [microns]			
	Drying Time	Set-to-touch	5 °C	10 °C	20 °C
			1 hr.	50 mins.	30 mins.
	Painting Interval	Hard dry	20 °C	30 °C	
			3 hrs.	1 hr.	
	Pot Life	Min.	24 hrs.	20 hrs.	16 hrs.
			10 hrs.		
Condition of Application	Method of Application	: Airless spray, Brush, Roller			
		Weather	: Temperature : Min. 0 °C : Humidity : Max. 85 % RH		
For Airless Spray	: Viscosity : (Ford Cup #4) 25 - 35 [sec]				
	: Tip No. : (GRACO) 415				
	: Paint Output Pressure : 8.8 - 11.8 [Mpa]				
	: Spray Speed : 70 - 100 [cm/sec]				
Thinner	: SILICON THINNER A				
	: Thinning : 7 - 15% by volume				
Surface Preparation	: The surface to be painted must be clean, free from rust, dirt, oil grease or other foreign matters using power wash, detergent or solvent wipe.				
	: Preceding Coats : SILICON HR PRIMER				
Packaging Size	: Subsequent Coats : -				
	Two pack product Base : 4.95kg, Curing Accelerator : 0.05kg, for size in Indonesia only				
Storage	Shelf Life / 12 months after the date of production				
	Subject to the satisfactory results of inspection, the product exceeding 12 months may be used.				
Safety	Follow all the local or national Health, Safety and Environment regulation. Read and follow all the precautionary notices on Material Safety Data Sheet and Container Labels. Apply only at ventilated areas. Handle with care.				
Notes	1.Paint film will be fully cured after 2 hours at 200 degC.				
	2.Total thickness of specification should be less than 150 microns.				
	3.Density and Volume Solid are measurement data of product samples without thinner. And there are various value depending on color or manufacturing regulation etc.				

The information given in this sheet is effective at the date shown above and subject to revision from time to time without notice.