

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 : Hard dry :	5 °C	10 °C	20 °C
			30 °C	20 mins.	30 mins.
	Painting Interval	Min. : Max. :	5 °C	10 °C	20 °C
			30 °C	1 hr.	3 hrs.
	Pot Life		5 °C	10 °C	20 °C
	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			
Subsequent Coats		-			
Packaging Size		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.