

GALBON S-HB PZ

GALBON S-HB PZ is a high-build type inorganic zinc paint based on a combination of ethl silicate and selected zinc powder.

It has excellent protective property against corrosion, excellent resistance to sea water and fresh water, oil and petroleum products, excellent compatibility with organic subsequent coats, and quick dry property.

TECHNICAL DATA

Type	Inorganic zinc silicate alcohol soluble and self-curing paint, high-build					
Recommended Use	As primer for plants, bridge, pipes, offshore structures, steel structures					
Information	Mixing Ratio	: Base : Powder = 73 : 27 [by volume] : Base : Powder = 30 : 70 [by weight]				
	Color	: Grey				
	Flash Point	: Base = 14.5, Powder = - [deg C]				
	Density	: 2.75 [g/ml]				
	Volume Solid	: 60 + 2 [volume %]				
	Coverage (Theoretical)	: 0.083 - 0.125 [L/m ²], 0.228 - 0.344 [kg/m ²]				
	Film Thickness	: WET 83 - 125 [microns] : DRY 50 - 75 [microns]				
			5 °C	10 °C	20 °C	30 °C
	Drying Time	Set-to-touch	40 mins.	30 mins.	20 mins.	10 mins.
		Hard dry	6 hrs.	5 hrs.	4 hrs.	3 hrs.
	Painting Interval	Min.	72 hrs.	32 hrs.	24 hrs.	18 hrs.
		Max.	-	-	-	-
	Pot Life		14 hrs.	10 hrs.	7 hrs.	5 hrs.
Condition of Application	Method of Application	: Airless spray, Brush (only for touch up)				
	Weather	: Temperature : Min. 0 - 50 °C : Humidity : Max. 50 - 85 % RH				
	For Airless Spray	: Viscosity : (Ford Cup #4) 10 - 12 [sec] : Tip No. : (GRACO) 419, 519 : Paint Output Pressure : 9.8 [Mpa] : Spray Speed : 60 - 80 [cm/sec]				
	Thinner	: INORGANIC SHOP THINNER H : Thinning : 0 - 7 % by volume				
	Surface Preparation	: In case of direct application on steel surface, ISO Sa2.5 and anchor profile of 40 - 50 microns are recommended for the highest performance. : In case of application on shop primer, ISO St-3 is required. : In case of touch up, ISO St3 or SSPC SP-11 with anchor profile of minimum 20 microns is recommended.				
	Preceding Coats	: CERABOND 2000				
	Subsequent Coats	: Any one of our products and/or equivalents, e.g. Inorganic zinc, Epoxy, etc.				
	Packaging Size	Two pack product 15.1kg/set size in Indonesia only				
Storage	Shelf Life / 6 months after the date of production Subject to the satisfactory results of inspection, the product exceeding 6 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. Agitate Base with a power agitator, then combine entire contents of Powder little by little and mix thoroughly by a power agitator slowly. Then add appropriate thinner and mix thoroughly.
 2. During application, mixed paint should be stirred slowly and constantly to avoid zinc pigments settling.
 3. Above paint interval is for organic paint. In case of the application for underwater areas, the below painting interval should be adopted.

Temperature	5 °C	10 °C	20 °C	30 °C
Interval(min, organic)	14days	10days	7days	7days
 4. GALBON S-HB PZ coating must not be exposed to acid and alkaline atmosphere.
 5. Don't add water. Water becomes the cause of rising viscosity and getting hard.
 6. To avoid dry spray, spray gun should be kept suitable distance from substrate surface.
 7. In order to avoid cracking, DFT should be kept under 150 microns. (Wet film thickness 250 microns)
 8. When humidity is below 50% RH, longer curing time is required.
 9. Mist coat is needed before application of subsequent coat.
 10. To avoid dry spray in high temperature, recommended thinner is INORGANIC SHOP THINNER SSS.
 11. In case an organic top coat is applied, dry film thickness of GALBON S-HB PZ should be controlled at 50-100 microns. Recommended dry film thickness is 65 microns.
 12. 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.