

# UMEGUARD SX HS

UMEGURD SX, a surface tolerant paint, is a modified epoxy resin paint. It gives excellent physical properties such as adhesion, toughness and abrasion resistance. It has excellent resistance to sea water and cathodic protection.

## TECHNICAL DATA

Type	Modified anticorrosive epoxy paint				
Recommended Use	Anti-corrosive paint for ship's bottom, Cargo hold, Inside and outside of accommodation space, Void space, Cofferdam, Engine room, Pipe line, Other steel structures, etc. For use at Maintenance and Repair.				
Information	Mixing Ratio	: Base : Hardener = 81 : 19 [by volume] : Base : Hardener = 88 : 12 [by weight]			
	Color	: Grey, Red Brown, Black, etc.			
	Flash Point	: Base = 29.2, Hardener = 27.2 [deg C]			
	Density	: 1.47 [g/ml]			
	Volume Solid	: 77 + 2 [volume %]			
	Coverage (Theoretical)	: 0.130 - 0.260 [L/m <sup>2</sup> ], 0.191 - 0.382 [kg/m <sup>2</sup> ]			
	Film Thickness	: WET 130 - 260 [microns], : DRY 100 - 200 [microns],			
	Drying Time	Set-to-touch	10 °C	20 °C	30 °C
	Painting Interval	Min.	28 hrs.	12 hrs.	6 hrs.
	Pot Life	Max.	7 days	7 days	5 days
Condition of Application	Method of Application	: Airless spray, Brush, Roller			
	Weather	: Temperature : Min. 10 °C : Humidity : Max. 85 % RH, Dew Point : + Minimum 3 deg C			
	For Airless Spray	: Viscosity : 1.5 - 2.0 Pa s : Tip No. : (GRACO) 419 - 623 : Paint Output Pressure : 14.7 - 17.7 [Mpa] : Spray Speed : 60 - 80 [cm/sec]			
	Thinner	: EPOXY THINNER A : Thinning : 0 - 15 % by volume			
	Preceding Coats	: NZ PRIMER, CERABOND 2000, EPICON ZINC RICH PRIMER B-2, etc.			
	Subsequent Coats	: EPICON FINISH HB, UNY MARINE, etc.			
Packaging Size	Two pack product 20kg/set, 5kg/set 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. Agitate Base with a power agitator until it is turned homogeneous, and then combine entire contents of Hardener with Base and mix thoroughly by a power agitator. Then add appropriate thinner and mix thoroughly.				
	2. Excessive solvent results in reduced sag resistance and paint film property.				
	3. As nature of epoxy coatings UMEGUARD SX HS can not avoid chalking and fading on UV exposure.				
	4. Drying time before the first cargo hold loading				
		Temp.	10degC	20degC	30degC
	200microns (Days)	20	12	7	
	350microns (Days)	30	18	11	
5. 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.