

# UNY MARINE TS-I (UM TS-I)

Apr. 2021  
SIN-T0080B

UNYMARINE TS-I, based on polyurethane resin, provide excellent adhesion and recoatability, good weather resistance, durability and chemical resistance, etc.

It is suitable for topcoat of anti-corrosive paint system.

## TECHNICAL DATA

Type	Two component acrylic polyurethane finish cured with aliphatic poly isocyanate				
Recommended Use	As a topcoat of epoxy and polyurethane paint system for various plants, steel structures, tank externals, and bridges				
Information	Mixing Ratio	: Base : Hardener = 78 : 22 [by volume]			
	Color	: As specified, except metallic Gloss			
	Flash Point	: Base : 14.0, Hardener = 29.5 [°C]			
	Density	: 1.33 [g/mL] (ISO:2811)			
	Volume solids (VS)	: 58 (+/-2) [volume %] (ISO:3233)			
	VOC	: 400 [g/L] (Method24)			
	Coverage (Theoretical)	: 0.068 - 0.172 [L/m <sup>2</sup> ]			
	Film Thickness	: WET 68 - 172 [microns] DRY 40 - 100 [microns]			
	(DFT 70 microns)	5°C	10°C	20°C	30°C
Drying Time	Set-to-touch	1 hr.	40 mins.	30 mins.	20 mins.
	Hard Dry	24 hrs	12 hrs	8 hrs.	6 hrs.
Painting Interval	Min	24 hrs.	12 hrs.	8 hrs.	6 hrs.
	Max	-	-	-	-
Pot Life	24 hrs.	20 hrs.	16 hrs.	8 hrs.	
Condition of Application	Method of Application	: Brush, Roller			
	Weather	: Temperature : Minimum -5°C, Humidity : Maximum 85 %RH			
	For Airless Spray	Viscosity	: (Fc#4) 30 - 50 [sec]		
		Tip No.	: (GRACO) 515, 615, 715		
		Paint Output Pressure	: 14.7 - 23.5 [Mpa]		
		Spray Speed	: 80 - 100 [cm/sec]		
Thinner	: URETHANE THINNER A. Thinning : 0 - 15 % by Volume				
Preceding Coats	: EPICON, UNIVAN, UMEGUARD, BANNOH 1500, etc...				
Subsequent Coats	: -				
Packaging	Two pack product				
Notes	<ol style="list-style-type: none"> <li>1.Patch or stripe coat for sharp edges, bolts, or crevice should be applied by brush at first.</li> <li>2.Before subsequent coat application, all chalks (if existed) and any contaminations should be removed.</li> <li>3.Sufficient ventilation is required for confined space to remove solvent vapour during application and drying.</li> <li>4.Wear the suitable protection gears such as glasses, gloves and fresh indrawn to breathing on workers.</li> <li>5.The performance of hardener decrease reacting with moisture, please handle with care.</li> </ol>				

This product should be used only by professional applicators. Consult the current Chugoku Marine Paints Safety Data Sheets.

Follow all local or national health, safety and environmental regulations. Observe all safely labels on packaging and containers.

Take precautions against possible risks of fire or explosions as well as protection of the environment. Apply only at ventilated areas. Handle with care.

This data sheet contains the best and latest of our knowledge on the date of issue on our laboratory in Japan testing and practical application experience, and subject to change without notice. Since the paints are used under unexpected circumstances in some cases, guarantee can not be given except on the quality of those paints themselves.