

LIST OF MAIN PRODUCTS



List of Main Products

for Japan supply

ENGLISH

List of Main Products

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【Product data on this sheet】

- Described application quantity is theoretical figures.
To find actual application quantities, multiply the described figures by 1.2~1.4 for brush coatings, and multiply by 1.6~1.8 (by 1.4 for Shop primer) for spray coatings.
Application quantity is subject to object or coating conditions.
- Painting Interval described as “(-)” is subject to top coatings. Please consult CMP for details.
- All the product data is based on red.
- Painting Interval described in brackets is the minimum drying period to launch.
- Our marine paints are certified by AFS/CONF/26, IMO International Convention on the Control of Harmful Anti-fouling System on Ships.
- The information on this sheet is subject to revise without notice.

【Instruction for Use】

- Use the products properly according to MSDS and the directions on the product package.
- Mix properly according to the specified Mixing Ratio in using mixing type products, or expected product performance will not be delivered.
- Before using, stir the paint well.
- It is not recommendable to use under rainy or high humidity conditions.
- When applying the paints, wear protective goggles and masks.
- Keep the products in a well ventilated area and avoid direct sunlight.

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1. SHOP PRIMER

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/㎡)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
NZ PRIMER S	BASE HARDENER 73 27	Red brown	30 ±1%	0.073	73	22	4 mins.	2H	16H	120 days	EPOXY THINNER A	Non zinc type epoxy shop primer		As a shop primer for protection of blast-cleaned steel plates. Especially suitable for steel plates subject to prolonged weathering
EPICON ZINC RICH PRIMER B-2	BASE HARDENER 70 30	Grey	43 ±2%	0.042 ~ 0.048	42 ~ 58	18 ~ 25	4 mins.	2H	16H	180 days	EPOXY THINNER A	Epoxy zinc rich primer	Two-pack type	As a primer for protection of blast-cleaned steel plates used for under water area of outer hull
UNIZINC 80	-	Grey	34 ±1%	0.053	53	18	3 mins.	2H	1H	180 days	EPOXY THINNER QD		One-pack type	
GALBON SP	BASE POWDER 76 24	Grey	38 ±1%	0.047	47	18	5 mins.	1H	16H	180 days	INORGANIC SHOP THINNER GS	Inorganic zinc silicate alcohol soluble and self-curing	Heat resistance (up to 400 decC)	As a shop primer, as a protective coating for oil tanks, solvent tanks, ballast tanks, heating pipes, holds, etc.
CERABOND 2000	BASE PASTE 61 39	Green, Grey Light grey Brown, Grey S	-	0.030 ~ 0.090	30 ~ 90	10 ~ 30	2 mins.	1H	Organic 7 days Inorganic 4H	180 days	INORGANIC SHOP THINNER series (depending on the situation)	Zinc silicate shop primer	As a shop primer for primary protection of blast-cleaned steel, as a general purpose rust-preventing primer for organic and inorganic over-coating, and also as a heat resistant paint.	

2. ANTI-CORROSIVE PAINT

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/㎡)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
ROSWAN QD HB	-	White, Grey Red brown	49 ±2%	0.061 ~ 0.143	61 ~ 143	30 ~ 70	1.5H	7H	20H	-	MARINE THINNER	Special alkyd resin primer, High-build		As a rust-preventing primer for inside of superstructure, deck, hold, and other steel structures
SWAN HB L	-	White	51 ±2%	0.118 ~ 0.157	118 ~ 157	60 ~ 80	1H	4H	4H	-	Fresh water	Water base air drying paint		As a anti-rust primer and finish paint of marine and steel structures.
ACRI 700 PRIMER J	-	Light grey, Red brown, White	43 ±2%	0.093 ~ 0.186	93 ~ 186	40 ~ 80	1H	6H	7H	-	CR/ACRI THINNER A	Acrylic anti-rust primer		Anti-rust primer for exposure parts
EPICON ZINC HB-2	BASE HARDENER 76 24	Grey	55 ±2%	0.073 ~ 0.136	73 136	40 75	20 mins.	4H	16H	180 days	EPOXY THINNER A	Epoxy zinc paint	High-build FDA certified	As a anti-corrosive paint for ship, bridge, tanks, and other steel structures.
EVAMAX 100P	BASE HARDENER 75 25	Grey Red brown	57 ±2%	0.219 ~ 0.439	219 439	125 250	2.5H	17H	17H	90 days	EPOXY THINNER A	Epoxy/Polyamide	High-build FDA certified	Ship's deck and hold
ALP 500	BASE HARDENER 66 34	Light grey	58 ±2%	0.086 ~ 0.216	86 216	50 125	1.5H	16H	10H	-	EPOXY THINNER A			As a primer on aluminum
BANNOH 200	BASE HARDENER 76 24	White, Grey, Light grey, N8	57 ±2%	0.088 ~ 0.351	88 ~ 351	50 ~ 200	1.5H	12H	10H	-	EPOXY THINNER A			Primer on inside and outside of superstructures, exposed deck of steel ships and other steel structures
BANNOH 500	BASE HARDENER 81 19	Grey, White Light grey Red brown	60 ±2%	0.167 ~ 0.333	167 ~ 333	100 ~ 200	4H	10H	10H	-	EPOXY THINNER A			PSPC certified FDA certified Anti-corrosive paint for ship's hull, exposed decks, superstructures and ballast water tanks, etc.
BANNOH 500 N	BASE HARDENER 85 15	Plum	54 ±2%	0.185	185	100	3H	8H	8H	-	EPOXY THINNER A	Epoxy paint	Anti-corrosive paint for ship's bottom	
BANNOH 500 S	BASE HARDENER 85 15	Grey, Plum	56 ±2%	0.179 ~ 0.446	179 ~ 446	100 ~ 250	4H	15H	10H	-	EPOXY THINNER A			High-build Anti-corrosive paint for ship's hull, exposed decks, out side of superstructures
BANNOH 1500	BASE HARDENER 79 21	Grey, Red brown Light grey Cream	72 ±2%	0.139 ~ 0.347	139 ~ 347	100 ~ 250	4H	9H	9H	-	EPOXY THINNER A			High-build High-solid Anti-corrosive paint for ship's hull, exposed decks, superstructures and ballast water tanks, etc.
BISCON HB-NT L	BASE HARDENER 85 15	White, Black, Light grey Red brown	57 ±2%	0.175 ~ 0.439	175 ~ 439	100 ~ 250	2.5H	17H	17H	-	EPOXY THINNER A			High-build FDA certified Cargo hold, Inside and outside of accommodation space, Void space, Cofferdam, Engine room, Pipe line, Other steel structures, etc.
UMEGUARD SX	BASE HARDENER 85 15	White, Black Grey, Red brown	57 ±2%	0.175 ~ 0.439	175 ~ 439	100 ~ 250	2.5H	17H	17H	-	EPOXY THINNER A	Epoxy paint for a low preparation grade	High-build FDA certified	

3. ANTI-FOULING PAINT

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/㎡)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
				SEAFLO NEO	Comp A 20 Comp B 80	Red Light red	61 ±2%	0.123 ~ 0.246	123 ~ 246	75 ~ 150	1H		7H	7H (14H)
SEA GRANDPRIX 500 HS	-	Red, Red N Light red Light red N Purple	52 ±2%	0.077 ~ 0.288	77 ~ 288	40 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A	Self polishing antifouling paint	for Steel ships	for World wide service ships
SEA GRANDPRIX 500	-	Red Light red Purple	46 ±2%	0.109 ~ 0.326	109 ~ 326	50 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEA GRANDPRIX 500 M HS	-	Red Light red	52 ±2%	0.144 ~ 0.288	144 ~ 288	75 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEA GRANDPRIX 1000	-	Red Light red Dark red Purple	44 ±2%	0.114 ~ 0.341	114 ~ 341	50 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEA GRANDPRIX 1000 L	-	Brown Light brown Dark brown	51 ±2%	0.147 ~ 0.314	147 ~ 314	75 ~ 160	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEA GRANDPRIX 220 HS	-	Brown Light brown	63 ±2%	0.119 ~ 0.238	119 ~ 238	75 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEA GRANDPRIX 330 R	-	Brown Light brown	62 ±2%	0.121 ~ 0.242	121 ~ 242	75 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEA GRANDPRIX 660 HS	-	Brown Light brown	67 ±2%	0.112 ~ 0.224	112 ~ 224	75 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEA GRANDPRIX CF-10	-	Red Light red Purple	45 ±2%	0.167 ~ 0.356	167 ~ 356	75 ~ 160	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEA GRANDPRIX CF-10 A	BASE ADDITIVE 94 6	Red Light red	49 ±2%	0.153 ~ 0.327	153 ~ 327	75 ~ 160	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEA GRANDPRIX CF-10 L	-	Red Light red Purple	45 ±2%	0.167 ~ 0.356	167 ~ 356	75 ~ 160	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEA GRANDPRIX CF-10 L A	BASE ADDITIVE 94 6	Red Light red	48 ±2%	0.156 ~ 0.333	156 ~ 333	75 ~ 160	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEA PREMIER 200	-	Red Light red	50 ±2%	0.150 ~ 0.300	150 ~ 300	75 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A	Self polishing antifouling paint (Fuel saving type)	for Steel ships	for Coastal ships
SEA PREMIER 400	-	Red Light red	41 ±2%	0.183 ~ 0.366	183 ~ 366	75 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A		for Aluminum ships and Steel ships	for Coastal ships (suitable for high operating ships)
SEA PREMIER 400 H	-	Red Light red	41 ±2%	0.183 ~ 0.366	183 ~ 366	75 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A			for Coastal ships (suitable for high operating ships at high speed)
SEA PREMIER 800	-	Red Light red Purple	44 ±2%	0.091 ~ 0.341	91 ~ 341	40 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A		for Steel ships	for Coastal ships (high grade type)
SEA FRONTIER H	-	Red, Pink Blue, Black	41 ±2%	0.183 ~ 0.366	183 ~ 366	75 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A	Self polishing antifouling paint	for Aluminum ships and Steel ships	for Coastal ships (suitable for high operating ships)
SEA GRANDPRIX 200 R	-	Red Light red	52 ±2%	0.144 ~ 0.288	144 ~ 288	75 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A		for Steel ships	for Coastal ships
SEA GRANDPRIX 2000	-	Red, Light red Brown Purple	44 ±2%	0.091 ~ 0.341	91 ~ 341	40 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEATENDER 20	-	Brown Light brown	61 ±2%	0.123 ~ 0.246	123 ~ 246	75 ~ 150	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEATENDER 7	-	Red brown	56 ±2%	0.062 ~ 0.089	63 ~ 89	35 ~ 50	20 mins.	3H	5H (6H)	-	CR/ACRI THINNER A	Special synthetic resin anti-fouling paint		

4. FINISHING PAINT

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/㎡)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
EVAMARINE	-	White (As specified)	50 ±2%	0.050 ~ 0.070	50 ~ 70	25 ~ 35	2H	8H	16H	-	MARINE THINNER	Alkyd resin finish paint	As a finishing coat on exterior wood and steel surfaces	
ACRI 700 FINISH J	-	White (As specified)	40 ±2%	0.075 ~ 0.100	75 ~ 100	30 ~ 40	30 mins.	4H	6H	-	CR/ACRI THINNER A	Acrylic finish paint	Finishing coat on ships' topside, boot top, deck, superstructure	
EPICON FINISH HB	BASE HARDENER 74 26	As specified (except White)	53 ±2%	0.057 ~ 0.189	57 ~ 189	30 ~ 100	1.5H	16H	10H	-	EPOXY THINNER A	Epoxy/Polyamide finish coat	High-build FDA certified	Finish coat of steel ships, bridges and other steel structures
EPICON FINISH HB EX	BASE HARDENER 67 33	White	51 ±2%	0.098 ~ 0.196	98 ~ 196	50 ~ 100	1.5H	16H	10H	-	EPOXY THINNER A		High-build FDA certified	
UNY MARINE	BASE HARDENER 80 20	White (As specified)	50 ±2%	0.100	100	50	20 mins.	6H	4H	-	URETHANE THINNER A	Polyurethane finish paint	Normal	Glossy finish coat on outside of superstructure, deck and fittings.
UNY MARINE HS	BASE HARDENER 79 21	White (As specified)	60 ±2%	0.083 ~ 0.117	83 ~ 117	50 ~ 70	30 mins.	8H	8H	-	URETHANE THINNER A		High-solid type	

5. TANK & HEAVY DUTY COATING

5-1 Epoxy Paint														
Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/㎡)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
EPICON T-500 PRIMER H	BASE HARDENER 73 27	Pink brown	35 ±2%	0.143	143	50	40 mins.	8H	12H	21 days (*7 days)	EPOXY THINNER B, EPOXY THINNER D	Epoxy Paint	useful as holding primer (* please see the product manual)	As primer for product carrier tank interiors
EPICON T-500	BASE HARDENER 78 22	Red brown Grey, White Light grey	58 ±2%	0.129 ~ 0.216	129 ~ 216	75 ~ 125	1.5H	12H	12H (**16H)	21 days (*7 days)	EPOXY THINNER B, EPOXY THINNER D		FDA certified	Product carrier tank, Cargo oil tank, Fresh water tank, Drinking water tank, Portable water tank, Hold, Solvent tank, Chemical tank, etc.
EPICON T-500 HS	BASE HARDENER 77 23	Red brown Grey Light grey	74 ±2%	0.135 ~ 0.203	135 ~ 203	100 ~ 150	1.5H	12H	16H	21 days (*7 days)	EPOXY THINNER B, EPOXY THINNER D		High-solid type	Cargo oil tank, solvent tank, chemical tank, etc.
EPICON T-800	BASE HARDENER 84 16	Red brown Grey Light grey	65 ±2%	0.115 ~ 0.192	115 ~ 192	75 ~ 125	1.5H	12H	16H	21 days (*7 days)	EPOXY THINNER B, EPOXY THINNER D	Epoxy phenolic tank coating	FDA certified	Product carrier tank, Chemical tank, etc.
EPICON T-800 HS	BASE HARDENER 83 17	Red brown Grey Light grey	77 ±2%	0.130 ~ 0.195	130 ~ 195	100 ~ 150	1.5H	12H	16H	21 days (*7 days)	EPOXY THINNER B, EPOXY THINNER D		High-solid type	
NOVA 2000	BASE HARDENER 83 17	Red brown Cream Light grey	80 ±2%	0.156 ~ 0.313	156 ~ 313	125 ~ 250	6H	15H	15H	10 days	EPOXY THINNER A	Epoxy Paint	High-solid type PSPC certified	Ballast water tank, Crude oil tank, void space, cofferdam, hold, of ships, bridges, underground pipes, port facilities, etc.
NOVA 5000	BASE HARDENER 88 12	Light grey Cream	100 %	0.300	300	300	18H	24H	24H	14 days	EPOXY THINNER A (for cleaning only)		Solvent free type	
NOVA 5000 BARRIER	BASE HARDENER 55 45	Grey	100 %	0.300	300	300	4H	12H	12H	7 days	EPOXY THINNER A (for cleaning only)		Solvent free type epoxy putty for tank repair	
NOVA SUPERECO	BASE HARDENER 82 18	Buff Light grey	83 ±2%	0.151 ~ 0.301	151 ~ 301	125 ~ 250	12H	16H	16H	10日	EPOXY THINNER A		Tank repair paint for a low preparation grade	Ballast tank, Void space, Cofferdam, Cargo hold, Engine room other steel structures, etc.
BANNOH 500	BASE HARDENER 81 19	Grey Light grey Red brown, White	60 ±2%	0.167 ~ 0.333	167 ~ 333	100 ~ 200	4H	10H	10H	-	EPOXY THINNER A		PSPC certified FDA certified	Anti-corrosive paint for ship's hull, exposed decks, superstructures and ballast water tanks, etc.
BANNOH 1500	BASE HARDENER 79 21	Grey, Red brown Light grey Cream	72 ±2%	0.139 ~ 0.347	139 ~ 347	100 ~ 250	4H	9H	9H	-	EPOXY THINNER A		High-build High-solid	Anti-corrosive paint for ship's hull, exposed decks, superstructures and ballast water tanks, etc.
CLEAN KEEP 5000	BASE HARDENER 81 19	Light grey Cream	100 %	0.300	300	300	18H	32H	32H	14 days	EPOXY THINNER A (for cleaning only)		Solvent free type	Fresh water tank, Drinking water tank, Portable water tank

* If the coated surface has been exposed to direct sunlight, the maximum painting interval is as "*" of above.
 **Shown above "()" are for tank coating of product carrier, please refer to Chugoku's catalogue "Product Carrier Tank Coating" in detail.

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
CLEAN KEEP 5500	BASE HARDENER 81 19	Light grey Cream	100 %	0.300	300	300	18H	32H	32H	14 days	EPOXY THINNER A (for cleaning only)	Epoxy Paint	Solvent free type NSF certified	Fresh water tank, Drinking water tank, Portable water tank
CLEAN KEEP	BASE HARDENER 4 1	Blue Grey	100 ±2%	0.200	200	200	3H	8H	8H	3 days	EPOXY THINNER A (for cleaning only)	Epoxy Paint for lining (apply with a brush or a roller)	Solvent free type	for the inside of drinking water tank (JWWA K 157 2004 certified)
EVAMAX 2000	BASE HARDENER 74 26	Grey Red brown	78 ±2%	0.128 ~ 0.325	128 ~ 321	100 ~ 250	5H	14H	14H	10 days	EPOXY THINNER A	Epoxy paint (special abrasive resistant)	High-solid	Cargo hold of vessel
EVAMAX 2000 F	BASE HARDENER 80 20	Light grey Red brown	78 ±2%	0.128 ~ 0.321	128 ~ 321	100 ~ 250	3H	7H	7H	10 days	EPOXY THINNER A		High-solid FDA certified	
NOVA 2000 CH	BASE HARDENER 80 20	Light grey Red brown	80 ±2%	0.156 ~ 0.313	156 ~ 313	125 ~ 250	6H	15H	15H	10 days	EPOXY THINNER A	Epoxy paint	High-solid	

5-2 Glass Flake Mastic Paint

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
PERMAX No.1000 PRIMER S	BASE HARDENER 100 1	Reddish brown	56 ±2%	0.071 ~ 0.107	71 ~ 107	40 ~ 60	4H	6H	16H	40 days	PERMAXNo.1000 DILUENT	Vinyl-ester resin primer	Summer type	As a primer of PERMAX No.1000 series
PERMAX No.1000 PRIMER W	BASE HARDENER 100 1	Reddish brown	55 ±2%	0.073 ~ 0.109	73 ~ 109	40 ~ 60	2H	4H	14H	40 days	PERMAXNo.1000 DILUENT		Winter type	
PERMAX No.1000 HB S	BASE HARDENER 100 1	Cream Grey Red brown	82 ±2%	0.366 ~ 0.427	366 ~ 427	300 ~ 350	8H	12H	20H	5 days	PERMAXNo.1000 DILUENT	Vinyl-ester resin Glass flake paint	(High-build) Summer type	Anti-corrosive paint for ship's, offshore structures, etc.
PERMAX No.1000 HB W	BASE HARDENER 100 1	Cream Grey Red brown	82 ±2%	0.366 ~ 0.427	366 ~ 427	300 ~ 350	8H	12H	20H	5 days	PERMAXNo.1000 DILUENT		(High-build) Winter type	
PERMAX No.3000 S	BASE HARDENER 79 21	Grey Red brown Black	92 ±2%	0.326 ~ 0.543	326 ~ 543	300 ~ 500	6H	16H	16H	3 days	EPOXY THINNER A	Epoxy/polyamide glass flake mastic paint	High-build	Splash zone and underwater area of ship's outer shell and offshore structures
PERMAX No.3300	BASE HARDENER 82 18	Light grey Red brown	80 ±2%	0.250 ~ 0.375	250 ~ 375	200 ~ 300	5H	12H	12H	-	EPOXY THINNER A			

6. FISH BOAT & SMALL BOAT

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
KAMOME FRP PRIMER	-	Silver	30 ±1%	0.133	133	40	20 mins.	2H	3H	-	CR/ACRI THINNER A	Special synthetic resin primer	for FRP ships	
NEW KAMOME	-	Red Blue	41 ±2%	0.122	122	50	1H	3H	3H (6H)	-	CR/ACRI THINNER A	Special synthetic resin anti-fouling paint		
MARINE STAR 30G	-	Red, Blue Reddish brown Silver white	44 ±2%	0.113	113	50	1H	4H	4H (6H)	-	CR/ACRI THINNER A			
SEA GRANDPRIX FRP	-	Light red	42 ±2%	0.118 ~ 0.237	118 ~ 237	50 ~ 100	1H	5H	5H (12H)	-	CR/ACRI THINNER A			
SEA GRANDPRIX APPARE	-	Red Blue, Black	47 ±2%	0.106 ~ 0.213	106 ~ 213	50 ~ 100	1H	5H	5H (12H)	-	CR/ACRI THINNER A	Self polishing antifouling paint		
NEW MARINE GOLD DX	-	Red, Blue Red brown, White Green	44 ±2%	0.114 ~ 0.227	114 ~ 227	50 ~ 100	1H	4H	4H (6H)	-	CR/ACRI THINNER A			for FRP ships and Aluminum ships
MARINE STAR A	-	Red White, Black Blue, Red brown	55 ±2%	0.182	182	100	1H	5H	5H (12H)	-	CR/ACRI THINNER A	Special synthetic resin anti-fouling paint		for Aluminum ships

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
ACRI 200	-	White (As Specified)	37 ±1%	0.068	~ 0.095	68 ~ 95	25 ~ 35	30 mins.	3.5H	3.5H	-	CR/ACRI THINNER A	Acrylic finish paint	Top coat for pleasure boat and yacht. (for Hull)

7. PLEASURE

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption		
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks	
SEAJET 013	BASE HARDENER 80 20	Light grey	45 ±2%	0.280		281	125	3H	8H	8H	-	SEAJET THINNER D	Epoxy paint	Anti-corrosive paint for boat and yacht's steel parts. And SEAJET013 is also designed to prevention of gel-coat osmosis.	
SEAJET 015	-	Silver	30 ±2%	0.133		133	40	20 mins.	2H	3H	-	SEAJET THINNER A	Acrylic resin primer	As a primer and binder coat for FRP boats' bottom	
SEAJET 020	BASE HARDENER 3 1	Light grey	52 ±2%	0.095 ~ 0.238		95 ~ 238	50 ~ 125	1.5H	16H	10H		SEAJET THINNER D	Epoxy primer	Primer for aluminium and aluminium alloy	
SEAJET 033	-	Red, Blue, Black Shark white,	48 ±2%	0.105 ~ 0.210		105 ~ 210	50 ~ 100	1H	5H	5H (12H)	-	SEAJET THINNER A	Tin free antifouling paint	Copper type	Antifouling paint on FRP ship's bottom
SEAJET 034	-	Vivid red Vivid blue Vivid black Vivid white	40 ±2%	0.116 ~ 0.232		116 ~ 232	50 ~ 100	1H	4H	6H (10H)	-	SEAJET THINNER A		Copper free type	Antifouling paint on FRP, aluminium and steel ship's bottom.
SEAJET 137		White (As specified)	35 ±1%	0.101 ~ 0.145		101 ~ 145	35 ~ 50	1H	5H	5H	-	SEAJET THINNER A	Acrylic finish paint	Top coat for pleasure boat and yacht. (for Hull)	
SEAJET 441		Creamy white	-									SEAJET THINNER A	Hard solvent type remover	This neutral remover does not bring any damages to the gel coated surface.	
PELLER CLEAN Set Jr.		-												0.6m ² / 1set	
PELLER CLEAN Set mini		-												0.3m ² / 1set	
Primer and Anti-fouling paint and Brush are in one box.													Foul release system for propeller		

8. MISCELLANEOUS COATING

8-1 Heat Resistance Paint															
Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption		
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks	
SILICON HR PRIMER	BASE ACCELERATOR 100 1.53	White	41 ±2%	0.061		61	25	30 mins.	3H	16H	-	SILICON THINNER A	Silicone resin heat resisting aluminium paint	Under coat (up to 700 degC)	As paint for boiler, cylinder of engine, inside of exhaust pipes, radiator, oil burner, etc.
SILICON HR	BASE ACCELERATOR 100 1.42	White, Red brown, Light colours	39 ±2%	0.038 ~ 0.064		38 ~ 64	15 ~ 25	30 mins.	3H	16H	-	SILICON THINNER A		Finish coat (up to 700 degC)	
SILICON HR BLACK	BASE ACCELERATOR 100 1.42	Black	34 ±2%	0.044 ~ 0.074		44 ~ 74	15 ~ 25	30 mins.	3H	16H	-	SILICON THINNER A		Finish coat (up to 700 degC)	
SILICON HR SILVER	BASE ACCELERATOR 100 1.21	Silver	28 ±2%	0.054 ~ 0.071		54 ~ 71	15 ~ 20	30 mins.	3H	16H	-	SILICON THINNER A		Silver coat (up to 700 degC)	
SILICON HR SILVER HG	BASE ACCELERATOR 100 1.21	Silver	34 ±2%	0.044 ~ 0.059		44 ~ 59	15 ~ 20	30 mins.	3H	12H	-	SILICON THINNER A		Silver coat High-gloss type (up to 400 degC)	
GALBON SP	BASE POWDER 76 24	Grey	38 ±2%	0.047		47	18	5 mins.	1H	16H	180 days	INORGANIC SHOP THINNER GS	Inorganic zinc silicate alcohol soluble and self-curing	Shop primer Heat resistance (up to 400 decC)	As a shop primer, as a protective coating for oil tanks, solvent tanks, ballast tanks, heating pipes, holds, etc.
GALBON S-HB	BASE POWDER 7 3	Grey	60 ±2%	0.083 ~ 0.125		83 ~ 125	50 ~ 75	20 mins.	4H	24H	-	INORGANIC SHOP THINNER H		High-build FDA certified	

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
CERABEST GREY	BASE PASTE 56 44	Grey	42 ±2%	0.071	-	30	4 mins.	30H	7 days	180 days	INORGANIC SHOP THINNER series (depend on the situation) • below 10 degC. [QD] • below 25 degC. [A] • 20 - 30 degC. [S] • above 30 degC. [SS]	Ultra heat resistant paint (inorganic type) * White is for finishing	(up to 800 decC)	As a topcoat of inorganic shop primer to prevent from the heat damages of steel structures, such as Ships' super structures.
CERABEST LIGHTGREY	BASE PASTE 49 51	Light grey	44 %	0.068	-	30	4 mins.	30H	7 days	180 days				
CERABEST WHITE	BASE PASTE 39 61	White	39 ±2%	0.097	-	45	4 mins.	30H	7 days	180 days				

8-2 Paint for galvanized surface, Aluminu, Stainless steel, etc

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
EPICON A-100 PRIMER	BASE HARDENER 71 29	Pale white	47 ±2%	0.053 ~ 0.074	53 ~ 74	25 ~ 35	30 mins.	6H	8H	7 days	EPOXY THINNER A	Epoxy primer	for Aluminum	for Non Under water area
EPICON S-100 PRIMER	BASE HARDENER 87 13	Red brown	28 ±2%	0.087 ~ 0.123	87 ~ 123	25 ~ 35	5 mins.	6H	8H	7 days	EPOXY THINNER G		for Stainless steel	
EPICON B-100 PRIMER	BASE HARDENER 78 22	Yellow	52 ±2%	0.192	192	100	30 mins.	3H	3H	5 days	EPOXY THINNER A	Epoxy primer	for Brass and Bronze for rudder and propeller of big ships	for Under water area
ALP500	BASE HARDENER 66 34	Light grey	58 ±2%	0.086 ~ 0.216	86 ~ 216	50 ~ 125	1.5H	16H	10H	-	EPOXY THINNER A		for Aluminum	
GALVANITE No.200 PRIMER	BASE HARDENER 84 16	White	47 ±1%	0.064 ~ 0.106	64 ~ 106	30 ~ 50	10 mins.	4H	4H	30 days	EPOXY THINNER G	Epoxy resin paint	for Galvanized steel	As a primer for galvanized steel surface
GALVANITE No.400 PRIMER	BASE HARDENER 69 31	White	47 ±2%	0.064 ~ 0.106	64 ~ 106	30 ~ 50	1.5H	14H	14H	14 days	EPOXY THINNER A	Epoxy / polyamide resin primer		

8-3 Bituminous Paint

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
BITUMEN SOLUTION B	-	Black	41 ±2%	0.073 ~ 0.121	73 ~ 121	30 ~ 50	1H	3H	3H	-	MARINE THINNER	Bituminous paint		As a protective coating for steel structures and inside of rudders, etc.

8-4 Foul release for Propellers

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
PELLER CLEAN Set	1,525g set	Primer and Anti-fouling paint and Brush are in one box.	70 ±2%	1.143	1143	800	2H	22H	22H	-	EPOXY THINNER A	Foul release system for propeller	High surface	3.0m ² / 1set
PELLER CLEAN Set Jr.	220g set												Medium surface	0.6m ² / 1set
PELLER CLEAN Set mini	110g set												Medium surface	0.3m ² / 1set

8-5 Non Slip Paint

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
MAXSTOP GR	BASE HARDENER 82 18	Green Grey	70 ±2%	1.143	1143	800	2H	22H	22H	-	EPOXY THINNER A	Epoxy paint, heavy duty extra high-build non-slip coating	High surface	Decks, floors
MAXSTOP GS	BASE HARDENER 82 18	Green Grey	70 ±2%	1.143	1143	800	2H	22H	22H	-	EPOXY THINNER A		Medium surface	
NON-SLIP DECK ADDITIVE	-	Mix thoroughly with specified ratio before coating. (1)EPICON FINISH HB (paint 20kg : N-SLIP AD 0.9kg) (2)RAVAX FINISH (paint 20kg : N-SLIP AD 0.6kg)										As a anti-slip finishing coat on decks like as passage way		
NON-SKID DECK SAND	-	Top coat 20Kg: N-SKID DECK SAND 6Kg												

8-6 Paint on Roughly Treated Surface															
Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption		
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks	
UMEGUARD SX	BASE HARDENER 85 15	Grey, Black White, Red brown	57 ±2%	0.175	~ 0.439	175 ~ 439	100 ~ 250	2.5H	17H	17H	-	EPOXY THINNER A	Epoxy paint for a low preparation grade	High-build FDA certified	Cargo hold, Inside and outside of accommodation space, Deck, Void space, Cofferdam, Engine room, Pipe line, Other steel structures, etc.
NOVA 5000 BARRIER	BASE HARDENER 55 45	Grey	100 %	0.300		300	300	4H	12H	12H	7 days	EPOXY THINNER A (for cleaning only)	Epoxy paint	Solvent-free type	Ballast water tank, Void space, Cofferdam, Hold of ships, Bridges, Underground pipes, Port facilities, etc.

8-7 for Fish Net															
Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption		
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks	
BIOGUARD C-2 N	-	Clear	-	-	-	-	-	-	3H	-	-	-	Organic nitrogenous sulfur type anti-fouling paint	for Fixed fish net	for Fishnet
BIOGUARD C-3	-	Black Orange	-	-	-	-	-	-	3H	-	-	-			
	-	White Clear	-	-	-	-	-	-	3H	-	-	-			
BIOGUARD W	-	Black, White	-	-	-	-	-	-	12H	-	-	-	(Water base)		
BIOGUARD EX-100A	-	Clear	-	-	-	-	-	-	3H	-	-	-	Organic nitrogenous sulfur type anti-fouling paint		
BIOGUARD C-100A	-	Clear	-	-	-	-	-	-	3H	-	-	-		for Farming fish net	
BIOCRYSTY ANZEN	-	Dark brown	-	-	-	-	-	-	3H	-	-	-	cuprous glass type anti- fouling paint		
BIOCRYSTY W	-	Dark brown	-	-	-	-	-	-	12H	-	-	-	(Water base)	for Fixed / Farming fish net	
BIOCRYSTY 700T	-	Dark brown	-	-	-	-	-	-	3H	-	-	-	Copper type anti-fouling paint		

8-8 Others															
Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption		
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks	
BONDET PUTTY	BASE HARDENER 64 36	Grey	100 %	2.000		2000	2000	3H	8H	6H	4 days	EPOXY THINNER A (for cleaning only)	Epoxy/Polyamide putty	Solvent-free type	As protective coating against galvanic corrosion around the anode, and touching up of pitting corrosion occurring on exterior hull and tank inside.
RUST INHIBITIVE OIL "CK"	-	Clear	56 ±2%	0.036		36	20	15 mins.	1H	-	-	MARINE THINNER	Petroleum resin		As temporary protective primer for fuel oil tanks.

9. HIGH PERFORMANCE

9-1 Foul release Anti-fouling Paint

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
CMP BIOCLEAR HB	BASE 75 HARDENER 19 ACCELERATOR 6	Light grey Red brown	71 ±2%	0.280	280	200	2H	4H	- (18H)	-	SILICON THINNER A (for cleaning only)	Silicone elastomer foul release coating.	Three-pack type	for Ship bottom
CMP BIOCLEAR R	-	Light grey Red brown	65 ±2%	0.308	308	200	2H	7H	- (14H)	-	SILICON THINNER A (for cleaning only)		One-pack type	for Rudder and Propeller
CMP BIOCLEAR SG	BASE 72 HARDENER 24 ACCELERATOR 4	Grey	61 ±2%	0.164	164	100	1H	2H	3H	-	URETHANE THINNER B	Anti-corrosive paint for CMP BIOCLEAR SYSTEM.	Three-pack type Polyurethane paint	for Ship bottom
CMP BIOCLEAR SG-R	BASE 78 HARDENER 22	Grey	60 ±2%	0.167	167	100	4H	10H	4H	-	EPOXY THINNER A		Two-pack type Modified epoxy paint	for Rudder and Propeller

9-2 Underwater curable coating system

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
PERMASTER WE 200 UNDERCOAT	BASE 52 HARDENER 48	Grey	98 ±2%	0.306	306	300	4H	16H	12H	7 days	SILICON THINNER A (for cleaning only)	Epoxy paint for underwater	Under coat	[Easy application on wet surfaces and sufficient drying properties under water.]
PERMASTER WE 200 FINISH	BASE 48 HARDENER 52	Grey Blue	98 ±2%	0.255	255	250	4H	16H	12H	7 days	SILICON THINNER A (for cleaning only)		Finish coat	
PERMASTER WE 300 UNDERCOAT	BASE 60 HARDENER 40 ADDITIVE 4	Green Grey	100 %	0.450	450	450	-	7.5H	2H	7 days	SILICON THINNER A (for cleaning only)	As rust inhibiting epoxy paint for maintenance of under water or tidal zone steel structures. Port and harbour facilities such as sheet piles, piled jetties. Offshore platform, partial touch up for marine vessels, etc.	Under coat	[Easy application and sufficient drying properties under water.]
PERMASTER WE 300 FINISH	BASE 50 HARDENER 50 ADDITIVE 3	Grey Blue	100 %	0.600	600	600	-	7.5H	2H	7 days	SILICON THINNER A (for cleaning only)		Finish coat	
PERMASTER WE PUTTY	BASE 1 HARDENER 1	Light grey Light blue	100 %	3.000 ~ 5.000	3000 ~ 5000	3000 ~ 5000	-	20H	20H	5 days	SILICON THINNER A (for cleaning only)	epoxy putty		As filling or sealing putty for underwater or wet surface such as tidal zone and splash zone, over sealing on epoxy coatings system. And small area protective touch up with directly application to metal surface.

9-3 Ultra weather resistance paint

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
FLUOREX FINISH	BASE 86 HARDENER 14	White (As specified)	39 ±2%	0.051 ~ 0.077	51 ~ 77	20 ~ 30	15 mins.	3H	12H	30 days	FLUORINE THINNER A	Combination of Fluororesin and polyisocyanate resin for finish coating		As a topcoat of epoxy and fluoro resin paint system for severe environment such as offshore structures, various plants, tank externals, and bridges.

9-4 Fluorescent Paint

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μm)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption	
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks
EVASIGN No.100	-	Scarlet, Red Green, Orange Lemon, Yellow	53 ±2%	0.075	75	40	30 mins.	4H	2H	-	MARINE THINNER	Modified alkyd resin finish paint		As a finishing coat for safety marking
EVASIGN No.100 CLEAR	-	Clear	28 ±2%	0.103	103	25	40 mins.	4H	-	-	MARINE THINNER	for overlay of EVASIGN No.100		

9-5 Heat Reflecting Paint															
Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μ m)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption		
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks	
THERMO SHADAN AR	-	Grey Green	39 ±2%	0.103		103	40	30 mins.	6H	8H	-	CR/ACRI THINNER A	Heat reflecting Acrylic finish paint		
THERMO SHADAN PU	BASE 5 HARDENER 1	Grey Green	49 ±2%	0.103		103	50	20 mins.	6H	4H	-	URETHANE THINNER A	Heat reflecting polyurethane based coating	Mild solvent type	Heat reflectance for ships topside, super structure
THERMO SHADAN PU MS	BASE 9 HARDENER 1	Grey Green	47 ±2%	0.085		85	40	30 mins.	6H	6H	-	MARINE THINNER			
THERMO SHADAN UNDERCOAT AR	-	White	38 ±2%	0.105		105	40	30 mins.	6H	8H	-	CR/ACRI THINNER A	Acrylic paint		
THERMO SHADAN UNDERCOAT EP	BASE 3 HARDENER 1	White	51 ±2%	0.098 ~ 0.196		98 ~ 196	50 ~ 100	1.5H	16H	10H	-	EPOXY THINNER A	Epoxy/Polyamide paint	Mild solvent type	As a intermediate coat of THERMO SHADAN system for outside superstructure, deck
THERMO SHADAN UNDERCOAT EP MS	BASE 9 HARDENER 1	White	49 ±2%	0.080		80	40	1.5H	14H	14H	7 days	MARINE THINNER			

10. SPECIALTY PRODUCTS

Product name	Mixing Ratio (by Volume)	Color	V/Sol	Theoretical Coverage (L/m ²)		Dry Film Thickness (μ m)		Drying Time (20°C)		Painting Interval (20°C)		Thinner	Caption		
				Min	Max	Wet	Dry	Surface	Hard	Min	Max		Type	Remarks	
CMP LNG PRIMER	BASE 3 HARDENER 1	Brown	31 ±2%	86		65	20	4 mins.	48H	48H	90 days	EPOXY THINNER C	Special epoxy zinc primer	As a shop primer for inner hull protection	Load Bearing Mastic for Gaztransport & Technigaz NO96 LNG membrane containment system
CMP LNG MASTIC TRV 2001	BASE 100(190kg) HARDENER 65(170kg)	Pinkish grey	100 %	4160		4000	4000	24H	-	-	-	EPOXY THINNER A (for cleaning only)	Epoxy/Polyamide putty	Solvent free type	

LIST OF MAIN PRODUCTS

CMP **CHUGOKU MARINE PAINTS, LTD.** Website: <http://www.cmp.co.jp>

- * The information given in this sheet is effective at the date shown above and subject to revision from time to time without notice.
- * Prior to use, please read carefully this Technical Data Sheet, Material Safety Data Sheet (MSDS), and label on the package of our products.