



**YOUR PARTNER
IN THE SHIPYARD
AND VOYAGE**

PROPAN MARINE
MARINE & PROTECTIVE COATINGS



PT. PROPAN RAYA ICC was established in 1979 and has grown until now become the market leader in the paint business in Indonesia. With a base of experiences in the paint business and supported by competence and professional R&D team, PT. PROPAN RAYA ICC has developed Marine and Protective Coating. Quality of Propan Marine has followed the IMO (International Marine Organization) regulations specifically for antifouling, ballast tank, and anti-corrosion coating. Propan Marine Antifouling been tested and has tin free certified from BKI (Indonesian Bureau Classification) and BV (Bureau Veritas). As one of Green coating pioneer, Propan created an environmentally marine coating products and manufactured with ISO 9001 and 14001 standards. PT. PROPAN RAYA ICC is ready to provide you the solutions and support in our 34 branches throughout Indonesia, Vietnam, and Malaysia.



UNDERWATER & BOTTOP WITH ANTIFOULING								
Coating System	Coating Schedule	Product Name & Code	Vol Solid (%)	Color	DFT (μ)	Theoretical Coverage (m ² /lt)	Pass SST (hrs)	Category (ISO 12944:2)
System 1 EPOXY - AF 1	■ Epoxy Primer	Proguard Primer EPP-20100 2 Components (EPP:EPPH = 4:1)	80	Red/L.Grey	1x150	5.33	> 1500	C5
	■ Epoxy Undercoat	Proguard Undercoat EPU-30101 2 Components (EPU:EPUH = 5:1)	62	Grey	1x100	6.20		
	■ Antifouling	Promaster 300 AFC-13000	61	Red Oxide	1x125*	4.88		
System 2 EPOXY - AF 2	■ Epoxy Primer	Proguard Universal EPP-20200 2 Components (EPP:EPPH = 4:1)	80	Red/L.Grey	1x150	5.33	> 1500	C5
	■ Epoxy Undercoat	Proguard Undercoat EPU-30101 2 Components (EPU:EPUH = 5:1)	62	Grey	1x100	6.20		
	■ Antifouling	Promaster 311 AFC-13101	72	Red Brown	1x125*	5.76		
System 3 EPOXY MASTIC- AF 3	■ Epoxy Mastic	Promastic EPM-60110 2 Components (EPM:EPMH = 4:1)	80	Al	1x150	5.33	> 1500	C5
	■ Epoxy Undercoat	Proguard Undercoat EPU-30101 2 Components (EPU:EPUH = 5:1)	62	Grey	1x100	6.20		
	■ Antifouling	Promaster Ult AFC-13102	72	Light Red	1x125*	5.76		

* For DFT please contact our sales representative

TOP SIDE								
Coating System	Coating Schedule	Product Name & Code	Vol Solid (%)	Color	DFT (μ)	Theoretical Coverage (m ² /lt)	Pass SST (hrs)	Category (ISO 12944:2)
System 1 EPOXY-EPOXY	■ Epoxy Primer	Proguard Primer EPP-20100 2 Components (EPP:EPPH = 4:1)	80	Red/L.Grey	1x125	6.40	> 1500	C5
	■ Epoxy Topcoat	Proguard Top EPC-50100 2 Components (EPC:EPCH = 4:1)	55	Series	1x75	7.33		
System 2 EPOXY MASTIC- EPOXY	■ Epoxy Mastic	Promastic EPM-60110 2 Components (EPM:EPMH = 4:1)	80	Al/L.Grey	1x150	5.33	> 1500	C5
	■ Epoxy Topcoat	Proguard Top EPC-50100 2 Components (EPC:EPCH = 4:1)	55	Series	1x75	7.33		
System 3 EPOXY MASTIC - PU	■ Epoxy Mastic	Promastic EPM-60110 2 Components (EPM:EPMH = 4:1)	80	Al/L.Grey	1x150	5.33	> 1500	C5
	■ Polyurethane Topcoat	Prothane Top PUT-50800 2 Components (PUT:PUTH = 4:1)	60	Series	1x50	12.00		

PROJECT REFERENCES



SUPERSTRUCTURE								
Coating System	Coating Schedule	Product Name & Code	Vol Solid (%)	Color	DFT (μ)	Theoretical Coverage (m ² /lt)	Pass SST (hrs)	Category (ISO 12944:2)
System 1 ALKYD-ALKYD	- Alkid Primer - Alkyd Topcoat	Prolac Primer AKP-20600 ZP	55	Red/Grey	2x50	11.00	> 1000	C5
		Prolac Top AKC-50600	55	Series	2x50	11.00		
System 2 ALKYD-ACRYLIC	- Alkid Primer - Acrylic Topcoat	Prolac Primer AKP-20600 ZP	55	Red/Grey	2x50	11.00	> 1000	C5
		Procryl Top ARC-50700	42	Series	2x50	8.40		
System 3 EPOXY MASTIC-PU	- Epoxy Mastic - Polyurethane Topcoat	Promastic EPM-60110 2 Components (EPM:EPMH = 4:1)	80	Al/L.Grey	1x150	5.33	> 1500	C5
		Prothane Top PUT-50800 2 Components (PUT:PUTH = 4:1)	60	Series	1x50	12.00		

DECK								
Coating System	Coating Schedule	Product Name & Code	Vol Solid (%)	Color	DFT (μ)	Theoretical Coverage (m ² /lt)	Pass SST (hrs)	Category (ISO 12944:2)
System 1 ALKYD-ALKYD	- Alkid Primer - Alkyd Topcoat	Prolac Primer AKP-20600 ZP	55	Red/Grey	2x50	11.00	> 1000	C5
		Prolac Top AKC-50600	55	Series	2x50	11.00		
System 2 EPOXY MASTIC	Epoxy Mastic	Promastic EPM-60110 2 Components (EPM:EPMH = 4:1)	80	B. Green	1x200	4.00	> 1500	C5
System 3 EPOXY MASTIC SUPER H	Epoxy Mastic	Promastic XForce EPM-60200 2 Components (EPM:EPMH = 4:1)	80	B. Green	1x200	4.00	> 1500	C5
Sistem 4 EPOXY MASTIC-PU	- Epoxy Mastic - Polyurethane Topcoat	Promastic EPM-60110 2 Components (EPM:EPMH = 4:1)	80	Al/L.Grey	1x150	5.33	> 1500	C5
		Prothane Top PUT-50800 2 Components (PUT:PUTH = 4:1)	60	Series	1x50	12.00		
Sistem 5 MASTIC GLASSFLAKE	Epoxy Mastic GF	Promastic GF EPM-60400 2 Components (EPM:EPMH = 2.5:1)	80	Series	1x300	2.67	> 1500	C5
		Promastic GF EPM-60410 HB 2 Components (EPM:EPMH = 2.7:1)	90		1x500	1.80		

PRODUCT INFORMATION

PRODUCT NAME	PRODUCT CODE	DESCRIPTION
PROLAC PRIMER	AKP-20600	Alkyd with anti-corrosive pigment.
PROLAC TOP	AKC-50600	High gloss alkyd enamel.
PROCRYL TOP	ARC-50700	High build and high gloss acrylic modified finish with good performance to marine environment.
PROGUARD PRIMER	EPP-20100	Two-components anti-corrosive primer based on epoxy polyamide.
PROGUARD UNDERCOAT	EPU-30101	Two-components polyamide cured vinyl epoxy based special designed for tie coat between epoxy primer and antifouling system.
PROGUARD TOPCOAT	EPC-50100	Two-components polyamide cured epoxy with high solid and high gloss.
PROMASTIC	EPM-60110	Two-components self-priming surface tolerant with high build and good abrasion resistant as a primer and topcoat.
PROMASTIC XFORCE	EPM-60200	Two-components self-priming surface tolerant with very hard film and excellent abrasion resistant as a primer and topcoat.
PROTHANE TOP	PUT-50800	Two-components polyurethane finish with excellent gloss and good color retention.
PROMASTER 300	AFC-13000	Classical Hydrating tin free antifouling based on ion-exchange.
PROMASTER 311	AFC-13101	Long life tin free antifouling has combination cuprus oxide with organic bio-active.
PROMASTER ULTIMATE	AFC-13102	Highly effective self-polishing tin free antifouling based on copolymer binder.
PROMASTIC GF	EPM-60400 EPM-60410 HB	High abrasion resistant epoxy modified with glassflake, very good high build paint this is very recommended for high traffic area.

OUR TECHNICAL SERVICE ADVISOR

