



**TOPCOATS**  
LUXURIOUS FINISHING





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**Propan Raya ICC was established in 1979 and has grown until now become the market leader in the paint business in Indonesia.**

Propan Raya ICC have developed various Marine and Protective Coatings. From our strong background in the research and development field, we assure our products protect the assets with good performance and service to customer's satisfaction

**Our products protect wide range of assets, including:**

- Marine
- Offshore
- Civil Infrastructure
- Petrochemical
- Power Plant



Propan Raya ICC provides full support from over 34 branches throughout Indonesia and overseas (Vietnam and Malaysia).

Our continuous improvement ensures that we provide committed service to owners, contractors, fabricators and applicators.

PROPAN RAYA has many paints for topcoat system, with many kinds of generic type like Alkyd, Acrylic, Epoxy, and Polyurethane. Both of them have high gloss level and good weather resistance.

PROPAN MARINE TOPCOATS SYSTEM were designed to make good performance for long term service and applicable cosmetics areas without comprising the quality and performance of the coating.



## PROCRYL TOP ARC-50700

PROCRYL is DTM one component color finish coat based on acrylic resin. It has good physical properties, and suitable for general ferrous and non-ferrous substrate also recommend for all generic type existing paint such as Alkyd, Epoxy, Vinyl, also Polyurethane.

### Features of Procryl Top ARC-50700

- Solid Volume 42%, One Component Acrylic based DTM (Direct to Metal).
- Good Weathering Resistance.
- Good Flexibility and Hardness.
- Ease to Apply using Roll/Brush.
- Fast Drying.
- Good Color Retention.
- Good Gloss Retention.
- Suitable for Interior and Exterior Application.
- Available Color on Colors Card.
- Designed to be Applied up to 75 Microns in a Single Coat.





## PROLAC TOP AKC-50600

PROLAC is a high gloss alkyd enamel, designed for metal surfaces, suitable for all interior and exterior application, and suitable for general metal substrate also recommend for all generic type existing paint such as Epoxy, Vinyl, Polyurethane. This top coat is effectively used as a protective and decorative coating for steel structures, building interior and exterior surface suitable primed new metal and for the maintenance of existing structures, etc.

### Features of Prolac Top AKC-50600

- Solid Volume 55%, One Component Alkyd based.
- Good Weathering Resistance.
- Good Flexibility.
- Ease to Apply using Roll/Brush.
- Fast Drying.
- Good Gloss Retention.
- Suitable for Interior and Exterior Application.
- Available Color on Colors Card.
- Designed to be Applied up to 75 Microns in a Single Coat.





## PROGUARD TOP EPC-50100

PROGUARD is two-components high solid epoxy finish glossy paint. It forms a hard and tough coating resistance to abrasion, chemical, impact, etc. This top coat is effectively used as a protective and decorative coating for steel structures, building interior and exterior surface suitable primed new metal and for the maintenance of existing structures. But epoxy will be chalk or color fading due to expose on UV Light.

### Features of Proguard Top EPC-50100

- Solid Volume 55%, Two-Component polyamide cured epoxy.
- Fair Weathering Resistance.
- Enhance Hardness.
- Good Flexibility.
- Ease to Apply using Roll/Brush.
- Fair Color Retention.
- Good Gloss Retention.
- Good Abrasion Resistance.
- Suitable for Interior and Exterior Application.
- Available Color on Colors Card.
- Designed to be Applied up to 75 Microns in a Single Coat.





## PROTHANE TOP PUT-50800

PROTHANE is Two-Components Polyurethane with Aliphatic Acrylic. This product is used as top coat on wide variety of substrate such as steel, iron, concrete, and asbestos cements. It provides good resistance to splash of mild chemicals, water, impact, and abrasion, with its excellent gloss resistance, non-chalking and non-yellowing. This top coat is effectively used as a protective and decorative coating for steel structures, building interior and exterior surface suitable primed new metal and for the maintenance of existing structures, etc.

### Features of Prothane Top PUT-50800

- Solid Volume 60%, Two-Components Aliphatic Polyurethane.
- Excellent Weathering Resistance.
- Good Hardness.
- Good Flexibility.
- Excellent Color Retention.
- Excellent Gloss Retention.
- Excellent Abrasion Resistance.
- Suitable for Interior and Exterior Application.
- Available Color on Colors Card.
- Designed to be Applied up to 75 Microns in a Single Coat.



# Compatibility Between Different Types of Paint

Overcoat Paint Existing Paint	Alkyd	Acrylic	Epoxy	PU
Alkyd (Prolac Top) AKC-50600	S	S	U	U
Acrylic (Procryl Top) ARC-50700	L	S	U	U
Epoxy (Proguard Top) EPC-50100	U	L	S	S
PU (Prothane Top) PUT-50800	U	L	S	S

Note : S = Suitable ; U = Unsuitable ; L = Limited

# Performance Between Different Types of Paint

Overcoat Paint Existing Paint	Solvent Resistant	Chemical Resistance	Weathering Resistance	Color and Gloss Retention	Abrasion Resistance	Hardness	Cost Factor
Alkyd (Prolac Top) AKC-50600	F	P	F~G	F~G	F	F	Low
Acrylic (Procryl Top) ARC-50700	F	F~G	G~E	G	F	F	Low
Epoxy (Proguard Top) EPC-50100	G	E	G	G	G	G	L~H
PU (Prothane Top) PUT-50800	G	E	E	E	E	G	High

Note : P = Poor ; F = Fair ; G = Good ; E = Excellent



# Performance Between Different Type of Paint

		PROLAC TOP AKC - 50600	PROCERYL TOP ARC - 50700	PROGUARD TOP EPC - 50100	PROTHANE TOP PUT - 50800
Mixing Ratio (by Volume) (A : B)		1 Component	1 Component	2 components (4 : 1)	2 components (4 : 1)
Colors		Shown to Colors Card	Shown to Colors Card	Shown to Colors Card	Shown to Colors Card
Film Thickness	WFT	90 - 135 µm (3.6 - 5.4 mills)	120 - 180 µm (4.9 - 7.4 mills)	90 - 135 µm (3.6 - 5.4 mills)	80 - 125 µm (3.2 - 5.0 mills)
	DFT	50 - 75 µm (2.1 - 3.1 mills)	50 - 75 µm (2.1 - 3.1 mills)	50 - 75 µm (2.1 - 3.1 mills)	50 - 75 µm (2.1 - 3.1 mills)
Volume Solid		55 %	42 %	55 %	60 %
Theoretical Coverage		7.3 - 11.0 m <sup>2</sup> /Lt	5.6 - 8.4 m <sup>2</sup> /Lt	7.3 - 11.0 m <sup>2</sup> /Lt	8.0 - 12.0 m <sup>2</sup> /Lt
VOC		345.6 g/L	354.4 g/L	359.6 g/L	365.4 g/L
Drying Time		Hard Dry 3 - 4 Hours	Hard Dry 2 - 3 Hours	Hard Dry 3 - 4 Hours	Hard Dry 5 - 6 Hours

