



PROGUARD

EPOXY PRIMER

EFFICIENT ANTICORROSION SYSTEM



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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.

PROGUARD is a high-quality universal epoxy primer for high corrosive environment specially designed for modern ship building and ensure excellent anti-corrosion property and smooth application.

PROGUARD universal epoxy primer was designed to simplify the new building process with long term service performance and applicable to almost all areas in marine and protective coatings environment without comprising the quality and performance of the coating.

More Benefits in One Primer

PROGUARD has excellent adhesion, water resistance and corrosion resistance on various substrates which includes, ferrous and non-ferrous with lower surface preparation and faster drying. It also passes the high durability test under ISO 12944 corrosion requirement with C5/CX category any Zinc Rich Primer.

PROGUARD can be over-coated with almost all types of paints such as Epoxy, Polyurethane, Acrylic, Alkyd, and Vinyl. With ultra-smooth **PROGUARD** Undercoat, Antifouling paint can have an excellent adhesion and smooth surface for better Antifouling properties.

PROGUARD have special performance such as **Surface Tolerant** so suitable with minimum surface preparation including hand tools/power tools. Also **Flash Rust Tolerant** it can be applied with no worse than **Medium Flash Rusted**.

Proguard Universal EPP - 20200

76% High-Solids, Two-component universal primer with anti corrosive system, suitable for ballast tank and COT. Also suitable for long term protection including new building.

- All vessel areas.
- Excellent anticorrosive performance.
- Excellent adhesion to ferrous, galvanized and non-ferrous metal.
- Excellent crack resistance.
- Excellent abrasion resistance.
- Excellent edge coverage.
- DFT up to 200 µm in one coat.

Proguard Primer EPP - 20100

80% High-Solids, Two-component multi-purpose anti corrosive system, suitable for long term protection for dry docking including new building. Also for structure and any other substrate who needs protection from corrosion.

- All vessel areas.
- Excellent anticorrosive performance.
- Good adhesion to ferrous, galvanized and non-ferrous metal.
- Excellent crack resistance.
- Good abrasion resistance.
- Excellent edge coverage.
- DFT up to 150µm in one coat.

Proguard Primer EPP - 20000

Solid Volume 75%, Two-components multi-purpose anti corrosive system. for maintenance your assets with good protection corrossions.

- Good anticorrosive performance.
- Good adhesion to ferrous, galvanized and non-ferrous metal.
- Good crack resistance.
- Good edge coverage.
- DFT up to 150 µm in one coat.

Product Data

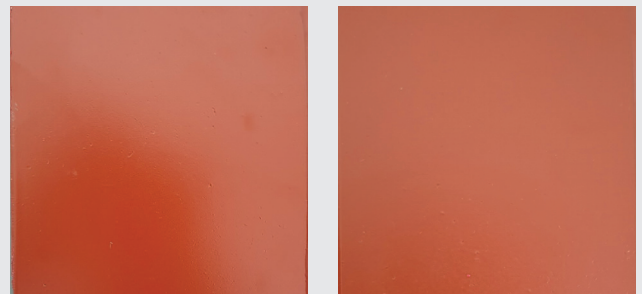
		Proguard Universal EPP - 20200	Proguard Primer EPP - 20100	Proguard Primer EPP - 20000
Mixing Ratio (by Volume)		4 : 1	4 : 1	6 : 1
Colors		Red Oxide, Light Grey	Red Oxide, Light Grey	Red Oxide, Light Grey
Film Thickness	WFT	197 - 263 µm (8.4 - 10.7 mills)	156 - 187 µm (6.3 - 7.6 mills)	166 - 200 µm (6.7 - 8.1 mills)
	DFT	150 - 200 µm (6 - 8.1 mills)	125 - 150 µm (5.1 - 6.1 mills)	125 - 150 µm (5.1 - 6.1 mills)
Volume Solid		76 %	80 %	75 %
Theoretical Coverage @ 150 µm		5.67 m ² /Lset	5.33 m ² /Lset	5 m ² /Lset
VOC		264 g/L	299 g/L	383 g/L
Drying Time		Hard Dry 3.5 - 4 Hours	Hard Dry 4 - 5 Hours	Hard Dry 4 - 5 Hours

PANEL BEFOR APPLICATION



CONDITION PANEL WITH MODERATE FLASH RUST

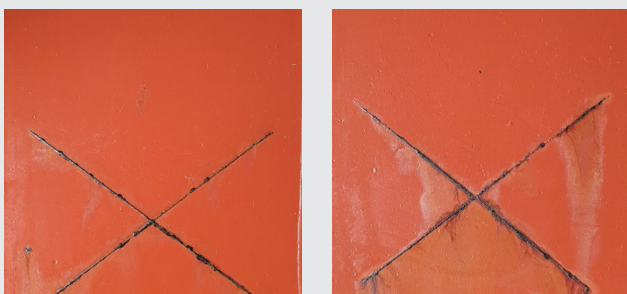
PANEL AFTER APPLICATION



Competitor Conventional
Epoxy Primer

Propan
Epoxy Primer

SST AFTER 500 HOURS



Competitor Conventional
Epoxy Primer

Propan
Epoxy Primer

SST AFTER 1500 HOURS



Competitor Conventional
Epoxy Primer

Propan
Epoxy Primer

