



SURFACE PREPARATION

Surface Preparation Before Marine Epoxy Primer

A project checklist for substrate assessment before selecting and applying marine epoxy primer.

Product Positioning

Substrate First

Confirm steel condition, surface preparation grade, and salt contamination before primer selection.

System Fit

Confirm intercoat compatibility between primer, tie coat, antifouling, polyurethane, or tank lining.

Latest TDS

Use this as a planning summary. Final DFT, coverage, thinner, and recoat data must follow latest official TDS.

Technical Summary

ITEM	GUIDANCE
Carbon steel	Remove oil, salt, loose rust, mill scale, and contaminants; prepare to project specification.
Repair steel	For difficult rust-removal areas, consider JDH818 after suitable cleaning and technical confirmation.
Galvanized / aluminum / stainless	Use suitable degreasing and surface treatment, then confirm JDH838 compatibility.
Environmental control	Confirm steel temperature, dew point, humidity, ventilation, and recoat window before application.

ITEM	GUIDANCE
Final check	Do stripe coating and film-thickness checks where edges, welds, and complex geometry require attention.

Technical note: Surface preparation quality is a major driver of primer adhesion and corrosion-control performance.

Source Links

Product pages: JDH06-4, JDH815, JDH816, JDH818, JDH819, JDH838 on [jdmarinepaint.com](https://www.jdmarinepaint.com) product catalogue.

Prepared for project discussion. Confirm final specification with JDMARINEPAINT technical team.