BEFORE ANTIFOULING

Antifouling Application and Recoat Guide

Dry-dock workflow guidance for surface preparation, primer repair, tie coat selection and antifouling topcoat application.

Preparation Principles

Clean

Remove salts, slime, grease, mud, loose fouling and weak old coating.

Repair

Restore primer protection at bare steel, damaged coating and feathered edges.

Control

Confirm recoat window, launch interval, dew point and previous coating compatibility.

Dry-Dock Workflow

STEP	ACTION	PURPOSE
1	High-pressure freshwater wash	Remove salts, slime, loose fouling and contaminants.
2	Inspect coating condition	Identify bare steel, failed coating, cracking or peeling.
3	Prepare repair areas	Clean steel and feather edges around damaged coating.
4	Apply primer repair	Restore anti-corrosion protection on exposed steel.
5	Apply tie coat where required	Bridge primer and antifouling layers.
6	Apply antifouling topcoat	Create final fouling-control layer.
7	Observe launch window	Avoid launching before minimum drying requirement.

Compatibility Checklist

- Confirm previous coating type before overcoating.
- Remove loose, chalked, blistered or contaminated coating.
- Use epoxy tie coat when moving from epoxy primer to antifouling topcoat.
- Follow official recoat windows for primer, tie coat and antifouling layers.

Quantity Formula

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Required liters = Area x Coats / Theoretical coverage x Loss factor
Loss factor = 1 / (1 - loss percent)
Suggested loss range = 10% to 35% depending on hull geometry, method and site control
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Before Inquiry

INFORMATION	WHY IT MATTERS
Vessel type and underwater hull area	Determines product choice and estimated quantity.
Operating route and water temperature	Helps evaluate fouling pressure and self-polishing needs.
Previous coating type	Controls compatibility and tie coat recommendation.
Target dry-docking interval	Influences JD753, JD853, JD744, JD713 or JDL44-83 selection.

> Do not apply antifouling coatings over condensation, loose coating, oil contamination, soluble salts or incompatible old coatings. Surface condition and launch window should be checked before application.