

TECHNICAL DATA SUMMARY

Marine Epoxy Primer Range

Technical summary for epoxy primer products used in shipbuilding, dry-docking repair, offshore steel, port machinery, pipelines, tank interiors and special metal substrates.

Product Data Summary

PRODUCT	COLOR / FINISH	VOLUME SOLIDS	MIXING RATIO	WFT / DFT	THEORETICAL COVERAGE	DRYING / POT LIFE
JDH06-4 Epoxy Zinc-Rich Anti-Rust Primer	Gray / matte	70%	A:B = 27:3	72 um / 50 um	14.0 m ² /L at 50 um DFT	Dry to touch: 30 min Hard dry: 24 h Pot life: 4 h at 25C
JDH815 Iron Oxide Red Epoxy Primer	Aluminum-iron, red, gray / matte	65%	A:B = 25:3	108 um / 70 um	9.3 m ² /L at 70 um DFT	Surface dry: 1 h Hard dry: 24 h Pot life: 4 h at 25C
JDH816 Grey Epoxy Primer	Gray, aluminum gray / matte	65%	A:B = 25:3	108 um / 70 um	9.3 m ² /L at 70 um DFT	Surface dry: 1 h Hard dry: 24 h Pot life: 4 h at 25C
JDH818 Rough Surface Epoxy Primer	Gray, iron red / matte	62%	A:B = 25:3	81 um / 50 um	12.4 m ² /L at 50 um DFT	Surface dry: 60 min Hard dry: 24 h Pot life: 4 h at 25C

PRODUCT	COLOR / FINISH	VOLUME SOLIDS	MIXING RATIO	WFT / DFT	THEORETICAL COVERAGE	DRYING / POT LIFE
JDH819 Epoxy Zinc Phosphate Primer	Iron red, gray / matte	63%	A:B = 25:3	111 um / 70 um	9.0 m ² /L at 70 um DFT	Surface dry: 60 min Fully dry: 24 h Pot life: 4 h at 25C
JDH835 Aluminum-Iron Epoxy Anticorrosive Paint	Aluminum-iron / matte	65%	A:B = 25:3	108 um / 70 um	9.3 m ² /L at 70 um DFT	Surface dry: approx. 30 min Full cure: 24 h Pot life: 4 h at 25C
JDH836 Solvent-Free Aluminum Iron Epoxy Anti-Rust Paint	Aluminum-iron / matte	90%	A:B = 25:3	333 um / 300 um	3.0 m ² /L at 300 um DFT	Surface dry: 1 h Fully dry: 24 h Pot life: 4 h at 25C
JDH838 Primer for Galvanized Steel Sheet	Gray, yellow / matte	64%	A:B = 25:3	78 um / 50 um	12.8 m ² /L at 50 um DFT	Surface dry: 1 h Hard dry: 24 h Pot life: 4 h at 25C

Recommended Use

JDH06-4

Zinc-rich primer for heavy-duty corrosion protection where zinc layer performance is required.

JDH815

General high-performance epoxy primer for steel structures, pipelines and port facilities.

JDH816

Primer and intermediate option for hulls, decks, cargo holds and ballast tank corrosion protection.

JDH818

First anti-rust primer for repair areas where rust is difficult to remove completely.

JDH819

General zinc phosphate primer for steel structures, machinery, valves and container applications.

JDH838

Special primer for galvanized steel, aluminum, stainless steel and hard-to-roughen surfaces.

Application Data

ITEM	TYPICAL REQUIREMENT
Application methods	High-pressure airless spraying, roller coating and brush coating, depending on product and project condition.
Thinner	Epoxy Thinner X-7 for epoxy primers listed in the catalog unless otherwise specified by the latest product TDS.
Surface preparation	For oxidized steel, sandblast to Sa2.5 where required. For non-oxidized steel, grinding or power tool cleaning to St3 may be used where specified.
Recoating interval	Many epoxy primer products list 24 h recoat interval at standard condition. JDH263 tie coat lists 16 h. Confirm with project temperature and humidity.
Compatible topcoats	Epoxy primer, epoxy intermediate coat, chlorinated rubber, acrylic, polyurethane topcoat or antifouling products depending on system route.

The data above is a consolidated catalog summary. For contractual work, always verify the latest product-specific TDS, batch certificate, safety data sheet, local regulation and project specification before use.