

Description: HEMPEL'S PHENOLIC EPOXY 163US is a modified, phenolic epoxy which must be cured at high temperatures. It has excellent resistance to alkali and caustic solutions, solvents, alcohol, detergent, and hot and cold water. Acid resistance is generally poor with the exceptions of phosphoric and fatty acids.

Recommended use: As a baked phenolic lining for tanks carrying various commodities and as a protective coating for machinery parts, ducts, fans, oil well tubular goods, etc.

Service temperatures: Maximum, dry exposure only: 120°C/248°F

Availability: Not included in Group Assortment. Availability subject to confirmation.

PHYSICAL CONSTANTS:

Shade no. / Color: 51440 / Red
Finish: Glossy
Volume solids, %: 35 ± 1
Theoretical spreading rate: 9.2 m²/litre - 38 microns
374 sq.ft./US gallon - 1.5 mils
Specific gravity: 1.1 kg/litre - 9.2 lbs/US gallon
Dry to touch: N/A (See separate APPLICATION INSTRUCTIONS)
Fully cured: N/A (See separate APPLICATION INSTRUCTIONS)
VOC: 612 g/litre - 5.1 lbs/US gallon

The physical constants stated are nominal data according to approved formulas.

APPLICATION DETAILS:

Application method: Airless spray
Thinner (max.vol.): Thinning not recommended
Nozzle orifice: 0.010" - 0.014"
Nozzle pressure: 150 bar/2175 psi
Airless spray data are indicative and subject to adjustment
HEMPEL'S TOOL CLEANER 99610
Cleaning of tools: HEMPEL'S TOOL CLEANER 99610
Indicated film thickness, dry: 38 microns/1.5 mils
Indicated film thickness, wet: 115 microns/4.5 mils
Recoat interval, min: See separate APPLICATION INSTRUCTIONS
Recoat interval, max: See separate APPLICATION INSTRUCTIONS

Safety: Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult Hempel Material Safety Data Sheets and follow all local or national safety regulations.

SURFACE PREPARATION:	Remove oil and grease thoroughly with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Abrasive blasting to SSPC-SP 10 (Sa 2½), with a sharp-edged surface profile corresponding to Keane-Tator Comparator, 2.0 G/S, 2S, or ISO Comparator, Medium (G).
APPLICATION CONDITIONS:	The surface must be completely clean and dry with a temperature above the dew point to avoid condensation. The minimum temperature and the temperature of the paint itself should be above 10°C/50°F. The best results are obtained at 15°C-25°C/59°F-77°F. Maximum steel temperature approx. 45°C/113°F. Relative humidity maximum 85%. In confined spaces, provide adequate ventilation.
PRECEDING / SUBSEQUENT COAT:	None or HEMPEL'S PHENOLIC EPOXY 163US
REMARKS:	See separate APPLICATION INSTRUCTIONS
Note:	HEMPEL'S PHENOLIC EPOXY 163US is for professional use only.
Issued by:	HEMPEL (USA), Inc. 163US51440

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on hempel.com. Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User.

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