

HEMPADUR* MULTI-STRENGTH* 35550

CURING AGENT 95550

Description: HEMPADUR MULTI-STRENGTH 3555 is a two-component, solvent-free, polyamine cured epoxy paint. Can be applied in high film thicknesses by dual-feed airless hot spray equipment. Very resistant to abrasion and impact and to water and mineral oil.

Recommended use: As a selfprimed coating on steel exposed to severe abrasion and impact under the conditions met by ice going vessels, but where full colour retention is of secondary importance.

Availability: Subject to confirmation.

PHYSICAL CONSTANTS:

Colours/Shade Nos.:	Red/51320
Finish:	Glossy
Volume solids:	100%
Theoretical spreading rate:	1.3 m ² /litre - 750 micron 53 sq.ft./US gallon - 30 mils
Flash point:	65°C/149°F
Specific gravity:	1.8 kg/litre - 15.0 lbs/US gallon
Dry to touch:	10-12 hours at 20°C/68°F
Fully cured:	7 days at 20°C/68°F
V.O.C.:	14 g/litre - 0 lbs/US gallon

*The physical constants are subject to normal manufacturing tolerances.
Further reference is made to "Explanatory Notes" in the Hempel Book.*

APPLICATION DETAILS:

Mixing ratio for 35550:	Base 35559 : Curing agent 95550 2 : 1 by volume
Application method:	Dual-feed, hot airless spray equipment. <i>Consult separate Application Instructions.</i>
Thinner (max. vol):	Do not dilute <i>(See REMARKS overleaf)</i>
Pot life:	10 minutes (20°C/68°F)
Cleaning of tools:	HEMPEL'S TOOL CLEANER 9961
Indicated film thickness, dry:	750 micron/30 mils <i>(See REMARKS overleaf)</i>
Indicated film thickness, wet:	750 micron/30 mils
Recoating interval, min:	Consult separate APPLICATION INSTRUCTIONS
Recoating interval, max:	Consult separate APPLICATION INSTRUCTIONS

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SURFACE PREPARATION:	<p>New steel: Abrasive blasting to Sa 2½-3 depending on area of use. Minimum surface profile corresponding to Rugotest No. 3, BN11a, Keane-Tator Comparator, 5.5 G/S, or ISO Comparator Coarse (G). Oil and grease must be removed with suitable detergent, salts and other contaminants by (high pressure) fresh water cleaning prior to blasting. After blasting clean the surface carefully from abrasives and dust.</p> <p>Maintenance: On old ship bottoms, and similar surfaces, excessive amounts of soluble salt residues in pittings may call for wet abrasive blasting followed by dry abrasive blasting. Alternatively, dry abrasive blasting, high pressure fresh water hosing, drying, and finally, dry abrasive blasting again.</p>
APPLICATION CONDITIONS:	Apply only on a clean and dry surface with a temperature above the dew point to avoid condensation. Can be applied at ambient temperatures down to 5°C/41°F. Relative humidity max. 80%.
PRECEDING COAT:	None.
SUBSEQUENT COAT:	None, HEMPANYL TAR 1628, HEMPADUR HI-BUILD 4520 or according to specification.
REMARKS:	
Film thicknesses:	<p>May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate. Normal range dry is 500-750 micron/20-30 mils.</p> <p>Demands to increased wearability or application on pitted surfaces may necessitate higher dry film thickness than indicated.</p> <p>May be applied in higher film thicknesses than indicated, up to approx. 1000 micron/40 mils depending on the circumstances.</p> <p>If colour stability is requested for exposure to sunshine, it is recommended to topcoat with e.g. HEMPATHANE TOPCOAT 5521.</p> <p>The correct shades are obtained after mixing of the differently coloured components. Please consult detailed APPLICATION INSTRUCTIONS. For stripe coating or touch-up by brush the material may be diluted 5-15% with acetone. Pot-life of the diluted material is approx. 1 hour at 20°C/68°F.</p>
Note:	HEMPADUR MULTI-STRENGTH 3555 is for professional use only.
SAFETY:	<p>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. Harmful or fatal if swallowed; immediately seek medical assistance if swallowed. Avoid inhalation of possible solvent vapours or paint mist, as well as paint contact with skin and eyes.</p> <p>Apply only in well ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.</p>

This Product Data Sheet supersedes those previously issued. For definition and scope, see explanatory notes to applicable Product Data Sheets. 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. The Products are supplied and all technical assistance is given subject to HEMPEL's GENERAL CONDITIONS OF SALES, DELIVERY AND SERVICE, unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said GENERAL CONDITIONS for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise.

Product data are subject to change without notice and become void five years from the date of issue.

Issued by HEMPEL'S MARINE PAINTS A/S.

*This is a corporate trademark of the Hempel Group.

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