

(Formerly HEMPADUR 355D)

CURING AGENT 95500

Description: HEMPADUR 35500 is a self-priming, two-component, high solids, high-build, light-coloured, polyamine cured modified epoxy paint.
Can be applied in high film thicknesses by standard heavy duty airless spray equipment.

Recommended use: As a one-coat ballast tank coating. Can also be used for protection of void spaces, cofferdams, galley ways and similar areas.

Service temperatures:	Dry:	In water (no temperature gradient):
Maximum:	80°C/175°F	35°C/95°F

Approvals: Approved as a corrosion control coating by Germanischer Lloyd, Germany.
Accepted by Lloyd's Register of Shipping as a provisionally recognized corrosion control coating.

Availability: Subject to confirmation.

PHYSICAL CONSTANTS:

Colours/shade nos.: Grey/12170 - cream/22220 (see REMARKS overleaf)

Finish: Semi-gloss

Volume solids: 94%

Theoretical spreading rate: 3.1 m²/litre - 300 micron

126 sq.ft./US gallon - 12 mils

Flash point: 55°C/131°F

Specific gravity: 1.3 kg/litre

10.8 lbs/US gallon

Dry to touch: 10 approx. hours at 20°C/68°F

Fully cured: 7 days at 20°C/68°F

V.O.C.: 125 g/litre - 1.0 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 35500: Base 35509 : Curing agent 95500

8.25 : 1.75 by volume

Application method: Airless spray Brush (touch up) (see REMARKS overleaf)

Thinner (max.vol.): Do not dilute 08450 (5%) (see REMARKS overleaf)

Pot life: 1 hour (20°C/68°F)

Nozzle orifice: .021"-.023" (0.53-0.58 mm)

Nozzle pressure: 300-350 bar/4400-5000 psi

(Airless spray data are indicative and subject to adjustment)

Cleaning of tools: HEMPEL'S TOOL CLEANER 99610 or THINNER 08450

Indicated film thickness, dry: 300 micron/12 mils (see *REMARKS* overleaf)

Indicated film thickness, wet: 325 micron/13 mils

Recoating interval, min: 12 hours (20°C/68°F)

Recoating interval, max: See REMARKS overleaf

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SURFACE PREPARATION:	<p>New steel: Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Abrasive blasting to Sa 2½. After blasting, clean the surface carefully from abrasives and dust. For temporary protection, if required, use suitable shopprimer. All damaged shopprimer and contamination from storage and fabrication should be thoroughly cleaned prior to final painting.</p> <p>As secondary surface preparation it is recommended to carry out abrasive spot-blasting of welds, burned and damaged shopprimer and abrasive sweep blasting of intact shopprimer. Depending on conditions, mechanical cleaning of welds, burned and damaged shopprimer to minimum St 2 and light grinding of intact shopprimer by rotating discs may also be possible - avoid polishing of the surface.</p> <p>Maintenance: Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Remove all rust and loose material by wet or dry abrasive blasting or for minor areas, power tool cleaning to minimum St 2. Feather edges to sound and intact areas. After wet abrasive blasting, hose down the surface by hot water rinsing ("steam cleaning"). Touch up bare spots to full film thickness when the surface has become visually dry. After wet abrasive blasting it is recommended to use HEMPADUR 15570 as a primer.</p> <p>On old pit-corroded surfaces, excessive amounts of salt residues may call for dry abrasive blasting, high pressure fresh water hosing, drying, and finally, dry abrasive blasting again, alternatively ultra-high pressure water jetting. In the case of water jetting, it is recommended to use HEMPADUR 15570 as a primer.</p>
APPLICATION CONDITIONS:	<p>Use only where application and curing can proceed at temperatures above 5°C/41°F. The temperature of the paint itself should preferably be between 20°C/68°F and 25°C/77°F for proper application (See REMARKS below). Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Relative humidity max 90%. In confined spaces provide adequate ventilation during application and drying.</p>
PRECEDING COAT:	None, HEMPADUR 15570 or according to specification.
SUBSEQUENT COAT:	None.
REMARKS:	<p>It is recommended to use heavy duty airless spray equipment with a pump transmission ratio of 60:1 (approx), and a theoretical output of min. 12 litres per minute. Spray hoses max. 40 metres, 35 m 3/8" and 5 m 1/4". In-line heating may be necessary to avoid cooling down of paint in hoses at low temperatures. The temperature of the paint material to be at least 20°C/68°F during application.</p>
Film thicknesses:	<p>May be specified in another film thickness than indicated depending on purpose and area of use. Normal range is 200-400 micron/8-16 mils. In case of ballast tanks and other permanent immersed areas, the film thickness must be at least 300 micron/12 mils. In any case, the coating must be applied as an even and pore-free layer. Film thicknesses up to 500 micron/20 mils may also be specified. This will alter spreading rate. On areas with pittings, it is recommended to apply extra film thickness.</p> <p>Do not put tanks into service before the coating is properly cured.</p>
Recoating:	See APPLICATION INSTRUCTIONS.
Stripe coating:	See APPLICATION INSTRUCTIONS.
Colour:	Shade 12170 may change from grey to beige shortly after application. This is only a cosmetic phenomenon and will not influence the performance of the product.
Note:	HEMPADUR 35500 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. 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>

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