HEMPADUR 35560

35560 : BASE 35569 : CURING AGENT 98560

Description: HEMPADUR 35560 is a solvent-free, two-component, high-build, polyamine adduct cured epoxy paint, which cures to a coating with good resistance to fresh water.

Recommended use: As a lining in potable water tanks and pipelines.

Features:
Excellent anticorrosive properties.
Solvent free.
Benzyl alcohol free.

Service temperature:
Maximum, dry exposure only: 140°C/284°F
In fresh water (directly on steel): 45°C/113°F. (no temperature gradient)

Certificates/Approvals:
Approved by WRAS for potable water up to 35°C/95°F.
Certified to NSF standard 61 by NSF international for use in potable water tanks with volumes of 100 gallon/380 litres or greater, pipes at 8 inches (20 cm) or greater
Approved by Folkehelseinstituttet, Norway, for use in tanks for potable water offshore.

Availability: Part of Group Assortment. Local availability subject to confirmation.

PHYSICAL CONSTANTS:

Shade nos/Colours:	50900 / Light red (see REMARKS overleaf)
Finish:	Semi-gloss
Volume solids, %:	100
Theoretical spreading rate:	5 m^2/l [200.5 sq.ft./US gallon] to 200 micron/8 mils
Flash point:	100 °C [212 °F]
Specific gravity:	1.3 kg/litre [11.2 lbs/US gallon]
Dry to touch:	10 approx. hour(s) 20°C/68°F
Fully cured:	12 day(s) 20°C/68°F
VOC content:	0 g/l [0 lbs/US gallon]
Shelf life:	3 years for BASE and 1 year (25°C/77°F) for CURING AGENT from time of production. Mechanical stirring may be necessary before usage.

**other shades according to assortment list.*

The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.

APPLICATION DETAILS:

Version, mixed product:	**35560**
Mixing ratio:	BASE 35569 : CURING AGENT 98560 6.8 : 2 by volume
Application method:	Airless spray / Brush
Thinner (max.vol.):	Do not dilute.
Pot life:	1.5 hour(s) 20°C/68°F 45 minutes (35°C/95°F)
Nozzle orifice:	0.021 "
Nozzle pressure:	220 bar [3190 psi] minimum. (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S TOOL CLEANER 99610
Indicated film thickness, dry:	200 micron [8 mils]
Indicated film thickness, wet:	200 micron [8 mils]
Recoat interval, min:	According to separate APPLICATION INSTRUCTIONS
Recoat interval, max:	According to separate APPLICATION INSTRUCTIONS

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

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SURFACE PREPARATION:	**New steel:** Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Abrasive blasting to near white metal Sa 2½ (ISO 8501-1:2007) with a surface profile corresponding to Rugotest No. 3, BN10a, Keane-Tator Comparator 3.0 G/S, or ISO Comparator Rough Medium (G). Apply immediately after cleaning. All damage of shopprimer and contamination from storage and fabrication should be thoroughly cleaned prior to overcoating. **Repair and maintenance:** Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Old steel surfaces having been exposed to salt water, excessive amounts of salt residues in pittings may call for abrasive blasting, high pressure fresh water hosing, drying, and finally, dry abrasive blasting again. **Concrete:** Remove slip agent and other possible contaminants by emulsion washing followed by high pressure hosing with fresh water. Remove scum layer and loose matter to a hard, rough and uniform surface, preferably by abrasive blasting, possibly by other mechanical treatment or acid etching. Seal surface with suitable sealer, as per relevant painting specification.
APPLICATION CONDITIONS:	Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Use only where application and curing can proceed at temperatures above: 10°C/50°F. The temperature of the paint itself should be above:15°C/59°F. In-can temperature of the paint should preferably be below 30°C/86°F. Curing requires a relative humidity of: maximum 85%. High temperatures (10-15°C/50-59°F) maximum RH: 60%. In confined spaces provide adequate ventilation during application and drying.
PRECEDING COAT	None, or as per specification. If a blast primer/hold-coat is required use: HEMPADUR 15590.
SUBSEQUENT COAT:	None.
REMARKS:	
Certificates/Approvals:	NSF certification applies to the product as well as production site – at present the NSF certificate is valid only for paint material produced at following Hempel factories in: Poland.
Colours/Colour stability:	Light red 50900 to be applied as first coat. Cream /20320 to be applied as final coat.
Weathering/service temperatures:	The natural tendency of epoxy coatings to chalk in outdoor exposure and to become more sensitive to mechanical damage and chemical exposure at elevated temperatures is also reflected in this product.
Induction time:	At a paint temperature of 20°C/68°F the paint may advantageously be prereacted 10 minutes before spray application (20 minutes at 15°C/59°F).
Application(s)	**Post treatment of coated surfaces to be in contact with potable water:** After complete curing, i.e. minimum 12 days at 20°C/68°F, and before being taken into use, the surfaces must be cleaned properly. This will be subject to local/individual specification or regulation but as a minimum for tanks a careful hosing down with clean fresh water (max. 40°C/104°F if warm water is used) and/or - ideally - by filling with water allowed to stand for at least 24 hours. Drain and repeat the procedure, and finally flush with clean fresh water. Disinfection by for instance chlorination can be very aggressive towards the coating and separate instructions are available.
Film thicknesses/thinning:	May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence the drying time. Normal range is : 200-400 micron/8-16 mils. May be specified in higher thickness for controlled application e.g. on pipelines. Contact Hempel for more information.
Nota:	**HEMPADUR 35560 For professional use only.**
ISSUED BY:	HEMPEL A/S 3556050900