

35760: BASE 35769: CURING AGENT 98760

Description:	HEMPADUR 35760 is a solvent-free, two-component, high-build phenolic epoxy paint, which cures to a durable tank lining with very high corrosion protection properties and excellent chemical resistance.
Recommended use:	As a tank lining for new and old storage tanks containing oils, fuels, bio fuels and a wide range of chemicals. It can be used in conjunction with fibre glass to form a resilient reinforced tank lining. Please refer to the separate application instructions.
Service temperature:	Maximum, dry exposure only: 140°C/284°F In various fuels (e.g. diesel, gasoline): 65°C/149°F Wet service temperatures, other liquids: Consult the corresponding RESISTANCE GUIDE.
Availability:	Part of Group Assortment. Local availability subject to confirmation.

PHYSICAL CONSTANTS:

Shade nos/Colours:	20320 Cream
Finish:	Semi-gloss
Volume solids, %:	100
Theoretical spreading rate:	3 m ² /l [120.3 sq.ft./US gallon] - 300 micron/12 mils
Flash point:	65 °C [149 °F]
Specific gravity:	1.3 kg/litre [11.1 lbs/US gallon]
Dry to touch:	9 hour(s) 20°C/68°F
Fully cured:	5 day(s) 20°C/68°F
VOC content:	37 g/l [0.3 lbs/US gallon]

**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:	35760
Mixing ratio:	BASE 35769: CURING AGENT 98760 6.4:3.6 by volume Stir CURING AGENT before adding it to the BASE.
Application method:	Airless spray / Brush/Roller
Thinner (max.vol.):	Do not dilute.
Pot life:	40 minute(s)
Nozzle orifice:	0.019 - 0.025 " (Consult the separate APPLICATION INSTRUCTIONS)
Nozzle pressure:	250 bar [3625 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S TOOL CLEANER 99610
Indicated film thickness, dry:	250 - 600 micron [10 - 24 mils]
Indicated film thickness, wet:	250 - 600 micron [10 - 24 mils]
Overcoat interval, min:	see REMARKS overleaf
Overcoat interval, max:	see REMARKS overleaf

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:	<p>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).</p> <p>Repair and maintenance: Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Remove all rust and loose material by abrasive blasting or power tool cleaning. Other degrees of cleaning including wet methods like ultra-high-pressure-water-jetting (UHPWJ) and blasting with mixtures of grit and water may be relevant according to Hempel-specification. Remove water, any residual blasting material and other debris. 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.</p> <p>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.</p>
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 drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above. In-can temperature of the paint should preferably be below 25°C/77°F. Start the application immediately due to the short pot -life. In confined spaces provide adequate ventilation during application and drying.
PRECEDING COAT:	None, or as per specification. Recommended systems are: HEMPADUR 15590.
SUBSEQUENT COAT:	None.
REMARKS:	
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.
Application(s):	In case of extensive pit corrosion (old tank bottoms) it is advisable to apply the first coat by brush. The following coat(s) can be applied by brush as well as by airless spray (as per above) securing full covering of the uneven/rough surface.
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 drying time and overcoating interval. Normal range dry is: 250-600 micron/10-24 mils. Stir the individual BASE and CURING AGENT thoroughly before mixing and again after mixing until a uniformly coloured mixture is obtained.
Curing before filling of tanks:	Do not put tanks into service until the paint system is completely cured - consult the corresponding CARGO PROTECTION GUIDE and APPLICATION INSTRUCTIONS.
Overcoating:	Overcoating intervals related to later conditions of exposure: If the maximum overcoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion. Before overcoating after exposure in contaminated environment, clean the surface thoroughly with high pressure fresh water hosing and allow drying.

A specification supersedes any guideline overcoat intervals indicated in the table.

Environment	Atmospheric, medium					
	10°C (50°F)		20°C (68°F)		30°C (86°F)	
	Min	Max	Min	Max	Min	Max
HEMPADUR	40 h	75 d	16 h	30 d	8 h	15 d
Environment	Immersion					
	Min	Max	Min	Max	Min	Max
HEMPADUR	40 h	75 d	16 h	30 d	8 h	15 d

NR = Not Recommended, Ext. = Extended, m = minute(s), h = hour(s), d = day(s)

Note:	HEMPADUR 35760 For professional use only.
ISSUED BY:	HEMPEL A/S 3576020320

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on www.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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