



HEMPADUR SPRAY-GUARD 35490 / HEMPADUR SPRAY-GUARD 35493

High temperatures 35490: BASE 35499 : CURING AGENT 95690
Medium temperature 35493: BASE 35499 : CURING AGENT 95790

Description:	HEMPADUR SPRAY-GUARD 35490/35493 is a solvent-free, two-component, epoxy coating. It cures to a hard, tough and well adhering protective coating. It can be spray applied in one coat at a minimum film thickness of 2.5 mm (100 mils).	
Recommended use:	As a heavy duty coating on steel and concrete exposed to severe corrosive conditions and/or impact such as splash zones and decks. Colour retention will be of minor importance. CURING AGENT 95690 suited for application at temperatures above 20°C/68°F. CURING AGENT 95790 suited for application at temperatures between 10°C/50°F and 20°C/68°F.	
Service temperature:	Maximum, dry exposure only: 140°C/284°F. In water (no temperature gradient): 35°C/95°F see REMARKS overleaf	
Certificates/Approvals:	Conforms to NORSOK M-501, system no. 4.	
Availability:	Part of Group Assortment. Local availability subject to confirmation.	
PHYSICAL CONSTANTS:		
Version, mixed product:	35490	35493
Shade nos/Colours:	41690/ Grey-green	41690/ Grey-green
Finish:	Semi-gloss	Semi-gloss
Volume solids, %:	100	100
Theoretical spreading rate:	0.4 m ² /l [16 sq.ft./US gallon] - 2.5 mm / 100 mils	0.4 m ² /l [16 sq.ft./US gallon] - 2.5 mm/100 mils
Flash point:	>60 °C [>140 °F]	>60 °C [>140 °F]
Specific gravity:	1.8 kg/litre [15.4 lbs/US gallon]	1.9 kg/litre [15.9 lbs/US gallon]
Surface dry:	3 approx. hour(s) 20°C/68°F	3 (approx.) hrs at 10°C/50°F
Dry to touch:	8 approx. hour(s) 20°C/68°F	8 (approx.) hrs at 10°C/50°F
Dry to handle:	3 day(s) 20°C/68°F	3 day(s) 10°C/50°F
Fully cured:	7 day(s) at 20°C/68°F.	7 day(s) 10°C/50°F .
VOC content:	Curing will proceed down to: 10°C/50°F. 0 g/l [0 lbs/US gallon]	Curing will proceed down to: 2°C/36°F. 0 g/l [0 lbs/US gallon]
	<i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.</i>	
APPLICATION DETAILS:		
Version, mixed product:	35490	35493
Mixing ratio:	BASE 35499 : CURING AGENT 95690 5.7 : 1.0 by volume 23.0 : 2.0 by weight	BASE 35499 : CURING AGENT 95790 5.7 : 1.0 by volume 23.0 : 2.15 by weight
Application method:	Spray (small areas: notched trowel) Minimum appl. temperature for substrate: 20°C/68°F (Consult the separate APPLICATION INSTRUCTIONS)	Spray (small areas: notched trowel) Minimum appl. temperature for substrate: 10°C/50°F (Consult the separate APPLICATION INSTRUCTIONS)
Thinner (max.vol.):	Do not dilute. see REMARKS overleaf	Do not dilute. see REMARKS overleaf
Pot life:	30 minute(s) at 30°C/86°F or 1 hour(s) at 20°C/68°F.	0.5 hour(s) at 20°C/68°F or 1 hour at 10°C/50°F .
Cleaning of tools:	HEMPEL'S TOOL CLEANER 99610	
Indicated film thickness, dry:	2.5 mm [100 mils]	
Indicated film thickness, wet:	2.5 mm [100 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:	<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 minimum Sa 2 (ISO 8501-1:2007) with a surface profile corresponding to Rugotest No. 3, N11, Keane-Tator Comparator, 5.5 G or ISO Comparator. After blasting, clean the surface carefully from abrasives and dust. The blasted and cleaned surface may advantageously be primed with: HEMPADUR 15590.</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:	<p>Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. To facilitate stirring and mixing, the material temperature should in no case be less than approx 20°C/68°F (Consult the separate APPLICATION INSTRUCTIONS). In confined spaces provide adequate ventilation during application and drying.</p>
PRECEDING COAT	According to specification. Recommended systems are: HEMPADUR SEALER 05990, HEMPADUR 15590.
SUBSEQUENT COAT:	According to specification. Recommended systems are: HEMPADUR. In case a 'smoothing' of the surface is required, HEMPADUR MULTI-STRENGTH 45751 may be used.
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)	Proper adhesion is obtained by applying the product directly to the steel. If a blast primer is required, HEMPADUR 15590 is recommended in general.
Film thicknesses/thinning:	May be specified in another film thickness than indicated depending on purpose and area of use. Not recommended below 2.5 mm/100 mils, since the product will not form a close and pinhole-free film at lower film thicknesses. Do not dilute as this will influence adhesion and cohesion of the paint system.
Recoating intervals:	Prevent product contamination. Repair work should include recoating of a part of the surrounding, intact, original paint, which must be cleaned and roughened prior to application. Consult HEMPEL for specific advice if in doubt.
Note:	HEMPADUR SPRAY-GUARD 35490 35493 For professional use only.
ISSUED BY:	HEMPEL A/S 3549041690

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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