

Product Data

Hempadur Multi-Strength 35842



35842: BASE 35848: CURING AGENT 95620

Description: Hempadur Multi-Strength 35842 is a two-component, high-build, polyamine adduct cured epoxy paint, reinforced with glassflakes, which cures to a hard and tough coating with good resistance to abrasion, seawater and fresh water.

Recommended use: As a self-primed, high build coating for areas subject to a highly corrosive environment. Can be used on pilings, offshore structures, splash zone and other immersed areas.

Service temperature: Maximum, dry exposure only: 140°C/284°F

Certificates/Approvals: Conforms to NORSOK M-501, edition 6, system nos. 7A and 7B.

Availability: Not included in Group Assortment. Availability subject to special agreement.

PHYSICAL CONSTANTS:

Shade nos/Colours: 17380/ Grey.

Finish: Glossy

Volume solids, %: 98 ± 1

Theoretical spreading rate: 1.3 m²/l [52.1 sq.ft./US gallon] - 750 micron/30 mils

Flash point: 87 °C [188.6 °F]

Specific gravity: 1.3 kg/litre [10.8 lbs/US gallon]

Surface-dry: 7 hour(s) 20°C/68°F

Through-dry: 23 hour(s) 20°C/68°F

Fully cured: 7 day(s) 20°C/68°F

VOC content: 22 g/l [0.2 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: 35842

Mixing ratio: BASE 35848: CURING AGENT 95620

3 : 1 by volume

Application method: Airless spray / Brush (See separate APPLICATION INSTRUCTIONS)

Thinner (max.vol.): Do not dilute.

Pot life: 1 hour 20°C/68°F

Nozzle orifice: 0.021 - 0.027 "

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: 750 micron [30 mils]

Indicated film thickness, wet: 750 micron [30 mils]

Overcoat interval, min: According to specification.

Overcoat interval, max: According to specification.

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.

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. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Clean damaged areas thoroughly by power tool cleaning to St 3 (minor areas) or by abrasive blasting to min. Sa 2, preferably to Sa 2½. Improved surface preparation will improve the performance of the paint. As an alternative to dry cleaning, water jetting to sound, well adhering coat and/or to steel. Intact coat must appear with roughened surface after the water jetting. By water jetting to steel, cleanliness shall be Wa 2 - Wa 2½ (atmospheric exposure) / minimum Wa 2½ (immersion) (ISO 8501-4:2006). A flash-rust degree of maximum M (atmospheric exposure), preferably L (immersion) (ISO 8501-4:2006) is acceptable before application. Feather edges to sound and intact paint. Dust off residues. Touch up to full film thickness. On pit-corroded surfaces, excessive amounts of salt residues may call for water jetting or wet abrasive blasting, alternatively dry abrasive blasting followed by high pressure fresh water hosing, drying, and finally, dry abrasive blasting again.

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: 20°C/68°F. In-can temperature of the paint should preferably be below 30°C/86°F. 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, or as per specification.

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.

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: 500-1000 micron/20-40 mils.

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, severe					
	10°C (50°F)		20°C (68°F)		30°C (86°F)	
	Min	Max	Min	Max	Min	Max
Hempadur	20 h	75 d	8 h	30 d	4 h	15 d
Hempathane	20 h	7.5 d	8 h	3 d	4 h	1.5 d
Environment	Immersion					
	Min	Max	Min	Max	Min	Max
Hempadur	20 h	75 d	8 h	30 d	4 h	15 d

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

Note:

Hempadur Multi-Strength 35842 For professional use only.

ISSUED BY:

HEMPEL A/S

3584217380

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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