

35651: BASE 35659: CURING AGENT 97351

Description: HEMPEL'S HIGH PROTECT 35651 is a two-component, solvent-free, high-build epoxy for osmosis protection and treatment. Easy to apply with good tolerance to environmental conditions. Forms a hard, tough, water-resistant coating.

Recommended use: For use as a primer below the waterline on boats made of glass fibre or steel. Prevention and repair of osmotic blistering in the glass fibre both above and below the waterline.

Availability: Part of European Yacht assortment. Local availability subject to confirmation.

PHYSICAL CONSTANTS:

Shade nos/Colours: 13700*/ Grey.
Finish: High-gloss
Volume solids, %: 100
Theoretical spreading rate: 6.6 m²/l [264.7 sq.ft./US gallon] - 150 micron/6 mils
Flash point: 74 °C [165.2 °F]
Specific gravity: 1.3 kg/litre [10.5 lbs/US gallon]
Dry to touch: 12 hour(s) 20°C/68°F
24 hour(s) 10°C/50°F
Dry to sand: 24 hour(s) 20°C/68°F
50 hour(s) 10°C/50°F
Fully cured: 7 day(s) 20°C/68°F
14 day(s) 10°C/50°F
VOC content: 10 g/l [0.1 lbs/US gallon]
Shelf life: 3 years 20°C/68°F

**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: **35651**
Mixing ratio: BASE 35659: CURING AGENT 97351
3 : 2 by volume.
Stir the Base, add Curing Agent and mix well. Allow mixed paint to rest for several minutes before use to allow air bubbles to escape.
Application method: Brush / Roller
Thinner (max.vol.): Do not dilute.
Pot life: 45 minute(s) 20°C
1 hour(s) 10°C
Cleaning of tools: HEMPEL'S THINNER 845 (No 5) 08451
Indicated film thickness, dry: 150 micron [6 mils]
Indicated film thickness, wet: 150 micron [6 mils]
Overcoat interval, min: 8 hour(s) 20°C/68°F
18 hour(s) 10°C/50°F
Overcoat interval, max: 5 day(s) 20°C/68°F
11 day(s) 10°C/50°F

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:	<p>Preparation: Always ensure all surfaces are clean, oil free and dry. Clean the surface and remove possible oil and grease with a suitable detergent and sand with dry abrasive paper.</p> <p>Uncoated surface: Glass fibre: Sand and remove all dust. Steel: Remove salt and other contaminants by (high pressure) fresh water cleaning. Remove all rust and loose material by abrasive blasting or power tool cleaning. Dust off residues. Previously coated surface: Abrade, clean and dry the surface</p>
PRODUCT APPLICATION:	<p>Method: Glass fibre: For protection: Ensure new gelcoats are thoroughly cleaned and on previously coated surfaces, ensure all old paint layers are removed. Fill and fair where necessary. Then apply 2 coats of the product at 150 micron dry film thickness each. Steel: Apply a minimum 3 coats of each 150 micron dry film thickness.</p> <p>For treatment: Remove gelcoat and allow hull to dry out. Fill and fair where necessary. Apply 4 coats at 150 micron dry film thickness each. Overcoat with specified HEMPEL'S primer/tiecoat and chosen topcoat/antifouling. The subsequent one-component primer should be applied while the product is still tacky.</p> <p>Consideration should be given when applying the product to new gelcoats or gelcoat polyester repairs. It is advisable to contact the manufacturer of the surface before applying the product.</p>
APPLICATION CONDITIONS :	The surface must be completely clean and dry at the time of application and its temperature must be above the dew point to avoid condensation. Do not apply in direct sunlight. In confined spaces provide adequate ventilation during application and drying.
RECOMMENDED DETERGENT :	HEMPEL'S PRE-CLEAN 67602
SUBSEQUENT COAT:	HEMPEL'S UNDERWATER PRIMER 26030 or HEMPEL'S LIGHT PRIMER 45551.
REMARKS:	
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. If applied by roller, it is of the utmost importance to be sure that the specified film thickness is obtained in a film free from pores.
Storage Conditions:	Exposure to air and temperature variances should be avoided. Avoid direct sunlight. Keep containers tightly sealed. Store at temperatures: 5°C/41°F - 35°C/95°F.
Curing agent:	Sensitive to moisture. Even small traces of water in the mixed paint will reduce the pot life and result in film defects. Open curing agent cans with caution as overpressure might exist. Do not fix lid on cans containing mixed product. Store in a cool place.
Overcoating:	If the maximum overcoating interval is exceeded, clean with fresh water and allow to dry. Light abrade and remove all dust prior to repainting. If surface has been contaminated by oils and pollutants, thoroughly remove with suitable detergent, rinse with fresh water and allow to dry. Light abrade and remove all dust prior to repainting.
Note:	HEMPEL'S HIGH PROTECT 35651
ISSUED BY:	HEMPEL A/S 3565113700

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.
The Products are supplied and all technical assistance is given subject to HEMPEL'S GENERAL CONDITIONS OF SALES, DELIVERY AND SERVICE, unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said GENERAL CONDITIONS for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise. Product data are subject to change without notice and become void five years from the date of issue.