

35780: BASE 35789: CURING AGENT 95078

Description: **Hempel's High Protect II 35780** 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 ± 1
Theoretical spreading rate: 6.6 m²/l [264.7 sq.ft./US gallon]
Flash point: 129 °C [264.2 °F]
Specific gravity: 1.3 kg/litre [10.6 lbs/US gallon]
Dry to touch: 12 hour(s) 20°C
24 hour(s) 10°C
Dry to sand: 24 hour(s) 20°C
50 hour(s) 10°C
Fully cured: 7 day(s) 20°C
14 day(s) 10°C
VOC content: 34 g/l [0.3 lbs/US gallon]
Shelf life: 3 years 20°C (from date on lid)

**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: **35780**

Mixing ratio: BASE 35789: CURING AGENT 95078
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
Airless spray (For professional use only.)

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

Pot life: 45 minute(s) 20°C ; 1 hour 10°C

Nozzle orifice: 0.21 - 0.23 "

Nozzle pressure: 250 bar [3625 psi]
(Airless spray data are indicative and subject to adjustment)

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
18 hour(s) 10°C

Overcoat interval, max: 5 day(s) 20°C
11 day(s) 10°C

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: 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. Carefully remove dust with fresh water.</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: For protection: Glass fibre: Ensure new gelcoats are thoroughly cleaned and on previously coated surfaces, ensure all old paint layers are removed. Apply 1 coat of the product. (150 micron). Allow to dry. Fill and fair where necessary. Apply 1 coat of the product. (150 micron). Total: 300 micron.</p> <p>Steel: Apply 3 coats at 150 micron dry film thickness each. Total: 450 micron.</p> <p>For treatment: Remove gelcoat and allow hull to dry out. Apply 1 coat of the product. (150 micron). Allow to dry. Fill and fair where necessary. Apply 3 coats at 150 micron dry film thickness each. Total: 600 micron.</p> <p>Overcoat with specified HEMPEL'S primer/tiecoat and chosen topcoat/antifouling. The subsequent one-component primer should be applied while the surface 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> <p>The product can be sprayable. 300-350 micron per coat. Contact HEMPEL for more information.</p>
APPLICATION CONDITIONS :	<p>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.</p>
RECOMMENDED DETERGENT :	HEMPEL'S PRE-CLEAN 67602
SUBSEQUENT COAT:	HEMPEL'S UNDERWATER PRIMER 26030 or HEMPEL'S LIGHT PRIMER 45551
REMARKS:	<p>Overcoating intervals:* HEMPEL'S UNDERWATER PRIMER 26030: Min 8 hours 20°C/68°F and 18 hours 10°C/50°F Max 12 hours 20°C/68°F and 24 hours 10°C/50°F *The subsequent one-component primer should be applied while the surface is still tacky.</p> <p>HEMPEL'S LIGHT PRIMER 45551: Min 8 hours 20°C/68°F and 18 hours 10°C/50°F Max 5 days 20°C/68°F and 11 days 10°C/50°F</p>
Film thicknesses/thinning:	<p>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. Do not dilute as this will influence adhesion and cohesion of the paint system.</p>
Storage Conditions:	<p>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 .</p>
Shades:	<p>This product is also available in the following shade(s): Cream 24700</p>
Curing agent:	<p>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.</p>
Overcoating:	<p>If the maximum overcoating interval is exceeded, clean with fresh water and allow to dry. Light abrade and remove all dust prior to repainting.</p> <p>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.</p>
Note:	Hempel's High Protect II
ISSUED BY:	HEMPEL A/S 3578013700

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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