



Product Data

HEMPEL'S LIGHT PRIMER 45551



45551: BASE 45559: CURING AGENT 95360

Description: HEMPEL'S LIGHT PRIMER 45551 is a two-component, epoxy high build solvent based primer and undercoat. Prevention and repair of osmotic blistering in glass fibre. Protects against general corrosion.

Recommended use: Suitable on glass fibre, steel, aluminium and plywood. For interior and exterior use above and below the waterline.

Features: Also for prevention and repair of osmotic blistering in the glass fibre reinforced polyester.

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

PHYSICAL CONSTANTS:

| | |
|-----------------------------|---|
| Shade nos/Colours: | 11630*/ Off-white. |
| Finish: | Flat |
| Volume solids, %: | 49 ± 1 |
| Theoretical spreading rate: | 8.2 m ² /l [328.8 sq.ft./US gallon] - 60 micron/2.4 mils |
| Flash point: | 24 °C [75.2 °F] |
| Specific gravity: | 1.3 kg/litre [10.9 lbs/US gallon] |
| Dry to touch: | 3 hour(s) 20°C/68°F 6 hour(s) 10°C/50°F |
| Dry to sand: | 48 hour(s) 20°C/68°F 4 day(s) 10°C/50°F |
| Fully cured: | 7 day(s) 20°C/68°F 14 day(s) 10°C/50°F |
| VOC content: | 437 g/l [3.6 lbs/US gallon] |
| Shelf life: | 3 years |

*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:

45551

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2 : 1 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/Paint pad/Roller/Spray

Thinner (max.vol.): HEMPEL'S THINNER 845 (No 5) 08451 (Brush/Roller/Paint pad): max. 20%.

HEMPEL'S THINNER 845 (No 5) 08451 (Spray): See separate APPLICATION INSTRUCTIONS

Pot life (Airless spray): 2 hour(s) 20°C/68°F

Pot life (Brush): 6 hour(s) 20°C/68°F

Nozzle orifice: 0.019 - 0.023 "

Nozzle pressure: 175 bar [2537.5 psi]
(Airless spray data are indicative and subject to adjustment)

Cleaning of tools: HEMPEL'S THINNER 845 (No 5) 08451

Indicated film thickness, dry: 60 micron [2.4 mils]

Indicated film thickness, wet: 120 micron [4.8 mils]

Overcoat interval, min: 4 hour(s) 20°C/68°F

Overcoat interval, max: 8 hour(s) 10°C/50°F

Overcoat interval, max: 30 day(s) 20°C/68°F

Overcoat interval, max: 60 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.



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SURFACE PREPARATION:

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. Carefully remove dust with fresh water.

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. **Aluminium:** High pressure fresh water clean. Abrasive blast with non-metallic abrasive. Abrade, clean and dry the surface. **Plywood:** Sand and remove all dust. Seal the dry clean surface with suitable wood sealer. **Previously coated surface:** Abrade, clean and dry the surface.

PRODUCT APPLICATION:

Method: Uncoated surfaces below waterline: Prime porous surfaces with first coat of the product thinned with specified HEMPEL'S THINNER: max. 20%. Finally apply 3-5 coats to obtain full film thickness. Add thinner to assist application if necessary: max. 5%. Overcoat with specified HEMPEL'S primer/tiecoat and chosen antifouling while the product is still tacky. It is essential to prime aluminium substrates up to 300 micron minimum dry film thickness.

Uncoated surfaces above waterline: Prime porous surfaces with first coat of the product thinned with specified HEMPEL'S THINNER: max. 20%. Finally apply 2 coats of the product. Add thinner to assist application if necessary: max. 5%. Overcoat with chosen topcoat.

Previously coated surface: Abrade, clean and dry the surface. Apply 1 coat of the product. Add thinner to assist application if necessary: max. 5%. Overcoat with chosen coating.

For use with Silic One Fouling Release System (follow Silic One application instructions).

RECOMMENDED DETERGENT : HEMPEL'S PRE-CLEAN 67602

PRECEDING COAT: HEMPEL'S SEALER 05991 (for plywood)

SUBSEQUENT COAT: HEMPEL'S UNDERWATER PRIMER 26030, HEMPEL'S ANTIFOULING PRIMER 26050, HEMPEL'S ANTIFOULING, HEMPEL'S OCEAN GLOSS 55500, HEMPEL'S POLYENAMEL 55103, HEMPEL'S POLYGLOSS 55530

REMARKS:

Stirring:

Stir product well before use..

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. Keep thinning to a minimum to ensure that correct film thickness is obtained. The amount of thinner depends on the application conditions: temperature, ventilation and substrate.

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.

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.

Overcoating note:

See separate APPLICATION INSTRUCTIONS

Note:

HEMPPEL'S LIGHT PRIMER 45551

ISSUED BY:

HEMPPEL A/S

4555111630

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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