



HEMPEL'S LIGHT PRIMER 45551

BASE 45559 with CURING AGENT 95360

Description: HEMPEL'S LIGHT PRIMER 45551 is a two-component polyamide adduct cured epoxy high build paint. It forms a hard and tough coating resistant to water and petroleum products.

Recommended use: As a primer under and above the water line on boats made of aluminium, glass fibre reinforced polyester, plywood, steel and ferro-cement. Also for prevention and repair of osmotic blistering in the glass fibre reinforced polyester, and for protection of keels and rudders.

Availability: Subject to confirmation.

PHYSICAL CONSTANTS:

Colours/Shade nos:	Off-white/11630	Grey/12170
Finish:	Flat	Flat
Volume solids, %:	52 ± 1	51 ± 1
Theoretical spreading rate:	5.2 m ² /litre - 100 micron 209 sq.ft./US gallon - 4 mils (See Remarks overleaf)	5.1 m ² /litre - 100 micron 205 sq.ft./US gallon - 4 mils (See Remarks overleaf)
Flash point:	25°C/77°F	25°C/77°F
Specific gravity:	1.3 kg/litre - 10.9 lbs/US gallon	1.3 kg/litre - 10.9 lbs/US gallon
Dry to touch:	3-4 hours at 20°C/68°F 6-8 hours at 10°C/50°F	3-4 hours at 20°C/68°F 6-8 hours at 10°C/50°F
Fully cured:	7 days at 20°C/68°F 14 days at 10°C/50°F	7 days at 20°C/68°F 14 days at 10°C/50°F
V.O.C.:	445 g/litre - 3.7 lbs/US gallon	450 g/litre - 3.7 lbs/US gallon

The physical constants stated are nominal data according to the HEMPEL Group's approved formulas. They are subject to normal manufacturing tolerances and where stated, being standard deviation according to ISO 3534-1.

APPLICATION DETAILS:

Mixing ratio for 45551:	Base 45559 : Curing agent 95360 2 : 1 by volume	
Application method.:	Airless spray	Brush/Roller
Thinner:	08450 (5%)	08450 (5%)
Pot life:	2 hours (20°C/68°F)	6 hours (20°C/68°F)
Nozzle orifice:	.019"-.023"	
Nozzle pressure:	175 bar/2450 psi (Airless spray data are indicative and subject to adjustment)	
Cleaning of tools:	HEMPEL'S THINNER 08450, HEMPEL'S DEGREASER 99611	
Indicated film thickness, dry:	100 micron/4 mils	
Indicated film thickness, wet:	200 micron/8 mils	
Recoat interval min:	See separate APPLICATION INSTRUCTIONS	
Recoat interval max:	See separate APPLICATION INSTRUCTIONS	

Safety: Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult HEMPEL Material Safety Data Sheets and follow all local or national safety regulations. Avoid inhalation, avoid contact with skin and eyes, and do not swallow. Take precautions against possible risks of fire or explosions as well as protection of the environment. Apply only in well ventilated areas.



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SURFACE PREPARATION:	Depends on the type of surface. See separate APPLICATION INSTRUCTIONS.
APPLICATION CONDITIONS:	Apply only where application and curing can proceed at temperatures above 5°C/41°F. The temperature of the paint itself should be 15°C/59°F or above to secure proper application properties. Best result is obtained at temperatures between 15-20°C/59-68°F. The surface must be clean and dry and its temperature must be above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.
SUBSEQUENT COAT:	HEMPEL'S MILLE WHITE SE 71600, HEMPEL'S MILLE DYNAMIC 71700, HEMPEL'S HARD RACING WHITE 76300, HEMPEL'S HARD RACING ULTIMATE 76480, HEMPEL'S POLYBEST 55551, HEMPEL'S ALUSAFE 7120D or according to specification.
REMARKS:	May be specified in another film thickness than indicated depending on purpose, area of use and application method. This will alter spreading rate and may influence drying time and recoat interval. The indicated dry film thickness of 100 micron/4 mils is for spray application. Indicated dry film thickness for brush application is 60 micron/2.4 mils as a maximum. Launching should not take place until the last coat of HEMPEL'S LIGHT PRIMER 45551 has cured for 1 week at 20°C/68°F, 2 weeks at 10°C/50°F. The first coat of the chosen antifouling/enamel must be applied after the last coat of HEMPEL'S LIGHT PRIMER 45551 according to the interval given in separate APPLICATION INSTRUCTIONS. If this interval is exceeded, the surface must be sanded and a new thin coat of HEMPEL'S LIGHT PRIMER 45551 must be applied. Before overcoating after exposure in contaminated environment clean surface thoroughly by high pressure fresh water hosing and allow to dry.
NOTE:	The information given in the Product Data Sheet is intended for commercial use.
ISSUED BY:	HEMPEL A/S - 4555011630CR002

*This Product Data Sheet supersedes those previously issued.
For explanations, definitions and scope, see "Explanatory Notes" in the HEMPEL Book.
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