



HEMPEL'S MULTICOAT 51120

Description: HEMPEL'S MULTICOAT 51120 is an alkyd based enamel which forms a weather resistant coating. It has a good brush-ability and is resistant to sunlight, salt water and spillage of mineral oil.

Recommended use: As an intermediate and finishing coat in alkyd systems on interior and exterior surfaces above the water-line. Suitable on steel, wood and glass fibre.

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

PHYSICAL CONSTANTS:

Shade nos/Colours: 10000* / White.
Finish: Semi-gloss
Volume solids, %: 46 ± 1
Theoretical spreading rate: 11.5 m²/l [461.2 sq.ft./US gallon] - 40 micron/1.6 mils
Flash point: 38 °C [100.4 °F]
Specific gravity: 1.2 kg/litre [10.3 lbs/US gallon]
Dry to touch: 3 - 4 hour(s) 20°C/68°F
6-8 hour(s) at 10°C/50°F
VOC content: 447 g/l [3.7 lbs/US gallon]

**other shades according to assortment list.*

The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.

APPLICATION DETAILS:

Application method: Airless spray / Air spray / Brush
Thinner (max.vol.): 08081 (5%) / 08081 (15%) / 08111/08231 (5%)
Nozzle orifice: 0.018 - 0.021 "
Nozzle pressure: 150 bar [2175 psi]
(Airless spray data are indicative and subject to adjustment)
Cleaning of tools: HEMPEL'S THINNER 08231 or HEMPEL'S THINNER 08111
Indicated film thickness, dry: 40 micron [1.6 mils]
Indicated film thickness, wet: 100 micron [4 mils]
Recoat interval, min: 8 hour(s) (20°C/68°F)
Recoat interval, max: 16 hour(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:

New wood: Wash the area to be treated with HEMPEL'S PRE-CLEAN 67602 as instructed and rinse with fresh water. Allow the wood to dry, sand bare spots, and remove dust completely. Saturate the dry, clean surface with suitable wood preservative, allow to dry. Apply one coat of the product thinned with: 5-10% HEMPEL'S THINNER 08111. Finally apply 2-3 coats of the undiluted product.

Previously painted wood: Wash the area to be treated with HEMPEL'S PRE-CLEAN 67602 as instructed and rinse with fresh water. Grind the surface to a uniformly matt appearance. Saturate bare spots with suitable wood preservative or similar. Touch-up to full film thickness with the product, as described for new wood.

Steel: Wash the area to be treated with HEMPEL'S PRE-CLEAN 67602 as instructed and rinse with fresh water. 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. Touch up bare spots to full film thickness. Use: HEMPEL'S PRIMER UNDERCOAT 13201. Apply the first coat of the product diluted with: 5-10% with HEMPEL'S THINNER 08111. Finally apply 1-2 coats of the undiluted product.

Glass fibre: Wash the area to be treated with HEMPEL'S PRE-CLEAN 67602 as instructed and rinse with fresh water. Allow the surface to dry. Roughening of the surface is recommended for optimum adhesion. Dust off residues. Touch up bare spots with: HEMPEL'S MULTICOAT 51120 diluted 5-10% with HEMPEL'S THINNER 08111. Finally apply 2-3 coats of the undiluted product.

APPLICATION CONDITIONS:

Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Use only where application can proceed at temperatures above: 5°C/41°F. Do not apply in direct sunlight. In confined spaces provide adequate ventilation during application and drying.

PRECEDING COAT

According to specification. Recommended systems are: HEMPALIN PRIMER UNDERCOAT 13201.

SUBSEQUENT COAT:

None.

REMARKS:

Colours/Colour stability:

Increased service temperatures will enhance the natural tendency to yellowing especially indoors.

Application(s)

When applied by spray second coat must be applied wet in wet or after: 8 hour(s) at 20°C/68°F, 16 days at 10°C/50°F.

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 recoating interval. Normal range dry is: 40-50 micron/1.6-2 mils

Recoating note:

Before overcoating after exposure in contaminated environment clean surface thoroughly by high pressure fresh water hosing or by hosing down with fresh water and scrubbing with a stiff brush and allow to dry.

Recoating intervals:

Maximum recoat interval refers to exterior surfaces exposed to periodical immersion, splash, condensation or abrasion during service life of the coating system. On other areas no maximum recoat interval for adhesion. If the maximum recoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.

Note:

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The information given in the Product Data Sheet is intended for commercial use.

ISSUED BY:

HEMPEL A/S

5112010000

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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