



Product Data

HEMPEL'S POLYURETHANE GLOSS VARNISH 05570

Description: HEMPEL'S POLYURETHANE GLOSS VARNISH 05570 is a two-component polyurethane varnish with excellent gloss retention and an extremely good resistance to abrasion, water, sunlight, weather and wear.

Recommended use: As a highly durable, clear varnish on interior and exterior wood and other substrates. Can be applied directly on wood or on top of HEMPEL'S WOODSTAIN 103SA.

Availability: Not included in Group Assortment. Local availability subject to confirmation.

PHYSICAL CONSTANTS:

Colours/Shade nos: Transparent/00000
Finish: High gloss
Volume solids, %: 50 ± 1
Theoretical spreading rate: 20 m²/litre - 25 micron
802 sq.ft./US gallon - 1.0 mils
Flash point: 27°C/81°F
Specific gravity: 1.0 kg/litre - 8.3 lbs/US gallon
Dry to touch: 4 (approx.) hours at 20°C/68°F
Cured: 2 days at 20°C/68°F

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 05570: Base 05579 : Curing agent 967SA
4 : 1 by volume

Application method:	Airless spray	Air Spray	Brush
Thinner (max.vol.):	08080 (5%)	08080 (15%)	08080 (5%)
Pot life:	12 hours (20°C/68°F)		
Nozzle orifice:	.017" - .019"		
Nozzle pressure:	100 bar/1450 psi (Airless spray data are indicative and subject to adjustment)		
Cleaning of tools:	THINNER 08080		
Indicated film thickness, dry:	25 micron/1.0 mils		
Indicated film thickness, wet:	50 micron/2.0 mils		
Recoat interval, min:	8 hours (20°C/68°F)		
Recoat interval, max:	30 days (20°C/68°F)		

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:	The surface should be stable, firm, dry and free of contaminants like dust, old paint, dirt, oil, grease, etc. The moisture content of the wood should not exceed 16%. Imperfections in the wood surface should be treated with a suitable filler, mixed with HEMPEL'S WOODSTAIN 103SA (if a natural wood colour is desired). Sand the surface thoroughly, dust off residues. For preparation of and application on substrates other than wood, contact HEMPEL.
APPLICATION CONDITIONS:	The surface must be completely clean and dry. Do not apply under humid conditions or at temperatures below 5°C/41°F.
PRECEDING COAT:	None, HEMPEL'S WOODSTAIN 103SA or according to specification.
SUBSEQUENT COAT:	None.
REMARKS:	
Application:	When applying by means of brush, strokes should follow the same direction as the wood grain. Light sanding with fine sand paper in between coats is recommended. For optimum results, apply 2 to 3 coats if applied on top of HEMPEL'S WOODSTAIN 103SA, or 3 to 4 coats if applied directly on wood.
Recoating:	If the maximum recoating interval is exceeded, rub down the surface with (fine) sandpaper to ensure adhesion.
Spreading rate:	Figures quoted in this data sheet are theoretical. The practical (actual) spreading rate of the product varies with the method of application, skills of applicator, shape and texture of the substrate to be painted, film thickness applied and working conditions.
Note:	HEMPEL'S POLYURETHANE GLOSS VARNISH 05570 is for professional use only.
ISSUED BY:	HEMPEL PAINTS (SAUDI ARABIA) W.L.L. - 0557000000101

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" in the HEMPEL Book.

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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Product data are subject to change without notice and become void five years from the date of issue.