

Product Data



BLAKES DIAMOND VARNISH

05140
BASE 05149
CURING AGENT 95370

Description: BLAKES DIAMOND VARNISH is a clear non-yellowing two-component polyurethane varnish. It provides a durable, mirror like finish, resistant to weathering and many chemicals.

Recommended use: Above the waterline, interior and exterior, on teak, plywood and other wood which does not "work" too much.

Availability: Subject to confirmation.

PHYSICAL CONSTANTS:

Colours/Shade nos: Transparent/00000
Finish: High-gloss
Volume solids, %: 50 ± 1
Theoretical spreading rate: 12.0 m²/litre - 40 micron
481 sq.ft./US gallon - 1.6 mils
Flash point: 35°C/95°F
Specific gravity: 1.1 kg/litre - 9.2 lbs/US gallon
Dry to touch: 6-8 hours at 20°C/68°F
12-16 hours at 10°C/50°F
Dry to sand: 24 (*app*) hours at 20°C/68°F
48 (*app*) hours at 10°C/50°F
Fully cured: 7 days at 20°C/68°F
14 days at 10°C/50°F
V.O.C.: 500 g/litre - 4.2 lbs/US gallon

The physical constants stated are nominal data according to BLAKES PAINTS approved formulas. They are subject to normal manufacturing tolerances and where stated, being standard deviation according to ISO 3534-1. Further reference is made to "Explanatory Notes" in the BLAKES PAINT MANUAL.

APPLICATION DETAILS:

Mixing ratio for 05140: Base 05149 : Curing agent 95370
2 : 1 by volume

Application method: Best results will be obtained with a flat varnish brush. This product is not suitable for spray application. (*See REMARKS overleaf*)

Thinner (max.vol.): BLAKES THINNER No 2 Brush

Pot life: 5 hours (20°C/68°F)
10 hours (10°C/50°F)

Cleaning of tools: BLAKES THINNER No 2 or No 6

Indicated film thickness, dry: 40 micron/1.6 mils

Indicated film thickness, wet: 100 micron/4 mils

Recoat interval, min: 16 hours (20°C/68°F)
32 hours (10°C/50°F)

Recoat interval, max: 5 days (20°C/68°F) (*See REMARKS overleaf*)
10 days (10°C/50°F) (*See REMARKS overleaf*)

Safety: Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult BLAKES PAINTS 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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2. BLAKES DIAMOND VARNISH

SURFACE: PREPARATION:	<p>New wood (except plywood and teak): Sanding (remove dust). Apply one coat of BLAKES DIAMOND VARNISH thinned with 25-50% THINNER 08710. Apply a second coat of BLAKES DIAMOND VARNISH thinned 5-10%. Sanding (remove dust). Finally apply 2-3 coats of BLAKES DIAMOND VARNISH undiluted.</p> <p>Plywood: Sanding (remove dust). Seal off with BLAKES WOODSEAL (avoid formation of a continuous layer on the surface). Continue as for other types of new wood.</p> <p>Teak: Sanding (remove dust). Degrease the surface thoroughly with BLAKES DEGREASER. Continue as for other types of new wood.</p> <p>Previously varnished wood: If the old varnish of other type is hard and intact, and more than one year old, it may be possible to apply BLAKES DIAMOND VARNISH on top. It is advisable first to try on a small area. Wash the surface with a solution of one part ammonia water in six parts of fresh water. Do not use detergents unless they are removed completely, as otherwise residues may have an adverse influence on the curing properties and the adhesion of the varnish. Sand the old varnish. Touch up bare spots with BLAKES DIAMOND VARNISH diluted 25-50% with BLAKES THINNER No 2. Proceed as for new wood, omitting the first thinned coats.</p> <p>Note: Ammonia water may discolour oak, mahogany and teak.</p>
APPLICATION CONDITIONS:	<p>The surface must be completely clean and dry. Do not apply in strong sunlight, on hot surfaces, under humid conditions or at temperatures below 2°C/36°F. The temperature of the surface must be above the dew point to avoid condensation. High relative humidity or condensation within the first 24 hours after application at 20°C/68°F - 48 hours at 10°C/50°F, may impair the film formation. The moisture content of the wood should not exceed 16%. In confined spaces provide adequate ventilation during application and drying.</p>
SUBSEQUENT COAT:	None.
REMARKS:	<p>Note: CURING AGENT 95370 reacts with humidity in the air which can render it unfit for use. Do not open can until immediately before use. Also traces of water in the mixed varnish will shorten the pot life and give film defects. When diluting mixed product with BLAKES THINNER No 2 stir carefully, using a bladed instrument, do not shake the can as this will produce air bubbles in the varnish. If only part of the CURING AGENT is to be used, do not remove the lid, but make two holes in the bottom of the can. After use, close the holes tightly with tape. The cans should be opened with care as there may be risk of overpressure, especially in the can containing the CURING AGENT. Do not fix the lid on cans containing mixed paint.</p> <p>The amount of thinner depends on the application conditions:, Temperatures, ventilation and substrate.</p> <p>It is very important that the surface is absolutely clean before overcoating. In case of doubt and/or in case of long recoating intervals it is recommended to sand the old surface.</p>
Note:	The information given in the Technical Data Sheet is intended for commercial use.
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This Product Data Sheet supersedes those previously issued. For definition and scope, see explanatory notes to applicable Product Data Sheets.

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