



TECHNICAL DATA SHEET

PRODUCT : POLYVINE INTERIOR HEAVY DUTY VARNISH

PRODUCT DESCRIPTION

Polyvine Interior Heavy Duty Varnish is a white homogeneous liquid, which is composed of a water based dispersion of cross-linking polyurethane acrylic copolymer with surfactants, waxes, and rheology modifying agents.

Polyvine Interior Heavy Duty Varnish is ideal for use on: wood surfaces; tables, bookshelves, chairs, desks, kitchen cabinets, work surfaces, to give an extremely hard clear protective coating with a high degree of chemical and abrasion resistance.

Dries to a satin finish, which is capable of withstanding heavy wear and abrasion after one day drying and curing, in such areas as Homes, Hotels, Restaurants and Bars.

SURFACE PREPARATION

Ensure the surface to be coated is clean and free from grease, wax or polish. White spirit or sugar soap should be used as cleaning agents. Sugar soap should be rinsed off well with clean water and allowed to dry. If water has been used on bare wood this would raise the grain. The surface then needs to be sanded and vacuumed before coating.

Newly painted wood should first be sanded to provide a key. Interior Heavy Duty Varnish should not be applied over uncured oil base paint as this may cause discoloration.

Older painted wood, where the paint itself may fail, should be stripped using a hot air gun or a chemical paint stripper, sanded and cleaned prior to coating.

When applied over an emulsion/latex paint, it is possible that Interior Heavy Duty Varnish can draw certain stains through the paint which were not otherwise visible. In this case a stain sealer should be used.

APPLICATION

Interior Heavy Duty Varnish can be applied by brush, spray or roller. Apply 2 or 3 coats. On softwood, light sanding in between coats may be necessary, if there is any raising of the grain. Allow 2 hours in between coats and 24 hours after final coat before full use. Do not use in temperatures below 5degrees C/40degrees F or in very high humidity. Lower temperatures will slow the final cure time.

COVERAGE

Up to 20sqm/L---200sqft/USQT per coat depending upon the porosity of the substrate.

CLEAN UP

Any equipment used can be cleaned using soap and water before the varnish dries. Wipe any excess off surfaces with a damp cloth. Any dried deposits will need a paint stripper to remove them.

Resistances to:	Polyvine furniture Clear coat (pu/ac)	Brand Leader Clear coat (pu/ac)	Acrylic Clear coat	Spirit Based Clear coat (pu)
Ethanol	5	4+	0	4+
Tea	5	4+	3	4+
Coffee	4	3+	4	3+
Detergent	5	5	1	5
Hot wet pan	5	3	0	5
Other Properties	FIRA standard 6250 severe use	Not known	No pass	FIRA standard 6250 severe use
Non yellowing	5	3	5	3
Hardness	5	5	2	5
Clean up	5	5	5	0
Time to full cure (50% rh. 20 Degrees C)	24hrs	5days	24hrs	2days

0 = poor. 5 = good.

HEALTH AND SAFETY

In case of: skin contact –wash off with soap and water before the clear coat dries. For people with delicate skin it is advisable to wear gloves.

Eye contact – rinse with clean water for 15 minutes, seek medical attention if irritation persists.

Inhalation - The varnish does not give off harmful vapours, however it is better to work in well ventilated areas. If there is irritation or an allergic reaction, remove the victim to fresh air, and if irritation persists seek medical attention.

Ingestion - Give victim a drink of water and seek medical attention.

Skin contact – Wash off skin with plenty of soap and water.

FILM PROPERTIES

DRY FILM: Satin Finish

DRYING TIME: approx. 30 minutes @ 20degrees C/70degrees F

CURE TIME: approx. 24 hours @ 20degrees C/70degrees F

HARDNESS: approx. 150 sec Konig hardness

NON YELLOWING

RESISTANT TO: Water, tea, coffee, alcohol, detergent, wet hot pans, etc.

PACKAGING

1L/1USQT 4L/1USGALL plastic containers

STORAGE

Store in unopened containers in a cool dry place away from direct sunlight.

Further information may be obtained from:

POLYVINE LTD

Tel: 0845 017 1671 Fax: 0845 017 1670

Website www.polyvine.co.uk

E-mail info@polyvine.co.uk

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