



TECHNICAL DATA SHEET

PRODUCT: POLYVINE HEAVY DUTY FLOOR VARNISH

PRODUCT DESCRIPTION

Polyvine H/D Floor 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 H/D Floor Varnish is ideal for use on: wood, stone, brick, quarry, tiles, slate, and cork tiles, to give a hard clear protective coating with a high degree of chemical and abrasion resistance.

Dries to a satin finish, which is capable of withstanding heavy foot traffic after 16 hours curing (20°C/70°F), in such areas as gymnasiums, dance floors, and public halls.

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. Wooden floors should be sanded with an industrial sander to ensure a smooth finish.

Newly painted wood should first be sanded to provide a key. H/D Floor 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 emulsion/latex paint, it is possible that H/D Floor Varnish can draw certain stains through the paint which were not otherwise be visible. In this case a stain sealer should be used.

APPLICATION

Polyvine H/D Floor Varnish can be applied by brush, spray or roller. Porous surfaces should be primed with H/D Floor Varnish diluted 10% with water, prior to applying a further 2 or 3coats. On wooden floors, light sanding in between coats may be necessary, if there is any raising off the grain. Allow 2 hours in between coats and 16 hours after final coat before full use. Do not use in temperatures below 5 °C / 40° F or in very high humidity. Lower temperatures will slow the final cure time.

COVERAGE

Approx. 10-20 sq. m per litre. 108-215 sq. ft per US qt. per coat depending upon the porosity of the substrate.

CLEAN UP

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

Resistances to:	Polyvine H/D Floor Varnish (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
BHMR. (16hrs)	5	0	1	1
Other Properties				
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)	16hrs	24-48 hrs	5days	2days

0 = poor. 5 = good. BHMR = Black heel mark resistance.

FILM PROPERTIES

DRY FILM: Satin

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

CURE TIME: approx. 16 hours @ 20degrees C / 70degrees F

HARDNESS: approx. 150 sec Konig hardness

BHMR: excellent @ 16hours

NON YELLOWING

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

PACKAGING

1L, 2L, 4L. US Quart, US gal. Plastic containers.

STORAGE

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

HEALTH SAFETY AND THE ENVIROMENT

Non-hazardous. Ensure good ventilation. Keep out of reach of children. Contact with eyes-wash immediately with warm water. Remove excess from tools and mixing vessels before washing in warm soapy water. Do not empty containers into drains or watercourses.

The information supplied herein is accurate to the best of our knowledge. Since conditions and methods are beyond our control, no warranty is expressed or implied. You are advised to access the suitability of the product on a test area before application

Further information may be obtained from:

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