

TECHNICAL DATA SHEET

HEAVY DUTY FLOOR VARNISH INTERIOR POLYURETHANE

DESCRIPTION

Polyvine Heavy Duty Floor Varnish is composed of a water-based dispersion of cross-linking polyurethane copolymer with surfactants, waxes, and rheology modifying agents.

Black heel resistance stops footwear marking the floor.

Antislip properties feature a strong non-slip finish that reduces the risk of slips and falls, making it ideal for areas that require increased slip resistance.

The latest UV filters and absorbers reduce greying, aging and deterioration of surfaces. Biocides protect against mildew, mould and fungus.

Dries in minutes and cures in 16 hours.

An ultra hard, high-quality varnish that dries to a crystal-clear film for interior floors requiring a high level of protection.

Dries to a finish, which is capable of withstanding heavy wear and abrasion after 16 hours curing.

Polyvine Heavy Duty Floor Varnish is ideal for use on wood, emulsion paint, stone, brick, quarry, unglazed tiles, slate, and cork tiles, to give a hard clear protective coating with a high degree of chemical and abrasion resistance.

FOR USE ON

Internal floors, in such areas as Homes, Hotels, Shop fitting, Restaurants and Bars

AVAILABLE FINISHES

Satin for depth and a soft sheen, dead flat for a completely shine free surface.

UNIQUE SELLING POINTS

Highly chemical resistant, cures in 16 hours, very fast drying and recoating, highly stain resistant, water resistant, highly heat resistant, industrial level of finish.

SURFACE PREPARATION

All surfaces must be clean and free from dust, dirt, oil/resins and contamination.

APPLICATION

Ensure the product is well mixed but do not shake (Inverting the container several times allows the particles to distribute evenly throughout the varnish) creating a uniform solution.

Ensure the surface to be coated is clean and free from grease, wax or polish.

If water has been used on bare wood this would raise the grain. The surface then needs to be sanded and vacuumed before coating.

Use a Polyvine varnish synthetic brush, recommended, or by conventional spray or HVLP spray or Gloss Roller. Roller, take care, stippling may occur, do not apply pressure this will generate air bubbles in the varnish.

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Thinly apply 2 to 3 coats with a Polyvine brush. On porous surfaces dilute the first coat with 10% water.

For a dead flat finish with high durability (water, stain, abrasion, resistance), apply two coats of satin followed by one of dead flat.

As with all water-based coatings, do not apply at temperatures below 8°C (as recommended by British Standard BS 6150). Or above 30°C.

For a high level of protection and stain resistance apply 2 coats of satin, then 1 coat of dead flat.

CAUTION

Apply dead flat finish sparingly and brush out well, over application could result in misting. Always apply to a test area before starting work. Care must be taken when applying in high temperature or direct sunlight as this will affect drying time. Do not continuously submerge in water. Test for compatibility before application. Not suitable for exterior application.

Spills should be promptly removed. Unattended spills may cause cosmetic staining and potentially damage the surface.

Plasticisers found in materials such as carpet underlays, furniture legs, castors and adhesives used for fixing can lead to softening and discolouration.

Appearance may vary according to the colour and type of substrate and the number of coats.

RESISTANCES TO:	POLYVINE HEAVY DUTY EXTREME VARNISH (PURE PU)	BRAND LEADER VARNISH (PU/AC)	ACRYLIC VARNISH	SPIRIT BASED VARNISH (PU)
ETHANOL	5	4	0	4
TEA	5	4	3	4
COFFEE	5	3	4	3
DETERGENT	5	4	1	4
HOT WET PAN	5	3	0	4
OTHER PROPERTIES				
NON YELLOWING	5	4	5	2
HARDNESS	5	4	2	4
CLEAN UP	5	5	5	0
TIME TO FULL CURE (50% RH. 20 DEGREES C)	16hrs	48 hrs	5 days	2 days

0 = poor. 5 = excellent

COVERAGE

Coverage 10-20 sq. m per litre, 108-215 sq. ft per quart depending on the porosity of the substrate.

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NUMBER OF COATS

Gloss or Satin: Apply 2-3 coats. **Dead Flat:** Apply 1-2 coats.

Cure Time: 16 hours @ 20°C / 70°F

Drying Time: 30 minutes

Recoat Time: 2 hours

PACKAGING

100ml, 1L, 2L, 4L, 3.52oz, US Quart, US gal. plastic containers.

STORAGE

Protect from extremes of temperature during storage and application.

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

Shelf Life: Many years in tightly sealed container.

HEALTH SAFETY AND THE ENVIROMENT

Non-hazardous. Keep out of reach of children. Contact with eyes - wash immediately with warm water.

If swallowed, seek medical advice immediately and show the container or label.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

CLEAN UP EQUIPMENT

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 Polyvine Varnish and Paint Remover to remove them.

DISPOSAL

Look for special facilities locally. Do not empty into drains or watercourses.

The information provided is prepared to the best of our current knowledge and makes no claim to be complete. The User is responsible for establishing that the product and recommendations herein are fit for the designated purpose, wood type and present situation before use. A professional and thereby successful application of the product is beyond our control. Always make a preliminary test. The User is required to read and understand all information contained on package labels and safety data sheets before using this product.

Certifications: EN codes and standards

Eco Credentials

EN 13501-1; Reaction to fire Self-Extinguishing

EN 71-3: Application on children's toys

EN. 1935/2004 on materials and articles intended to come into contact with food. Food Safety

EN 71-3:2019 + A1:2021 Pet Safety

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MANUFACTURED IN THE UK BY

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For technical and recycling info visit our website **polyvine.com**

EU VOC limit 130g/L 2010 (cat A/e) contains 44g/L

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