



TECHNICAL DATA SHEET

PRODUCT: POLYVINE NATURAL FLOOR VARNISH

PRODUCT DESCRIPTION

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

Dries to a dead flat/shine free finish, which is capable of withstanding moderate foot traffic after 16 hours curing (20°C/70°F).

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. Natural 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 Natural 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 Natural Floor Varnish can be applied by brush, spray or roller. Porous surfaces should be primed with Natural Floor Varnish diluted 10% with water, prior to applying a further 2 or 3 coats. On wooden floors, light sanding in between coats may be necessary, if there is any raising of 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.

For increased durability and stain resistance first apply 1 or 2 coats of Heavy Duty Floor Varnish followed by 1 or 2 coats of Natural Floor Varnish. This will result in a slightly brighter finish than using Natural Floor Varnish only.

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.

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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 - Nat Floor 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: Dead Flat

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

RECOAT TIME: 1-2 hours

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

HARDNESS: approx. 150 sec König hardness

NON YELLOWING

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

PACKAGING

1L, 2L, 4L.

STORAGE

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

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 assess the suitability of the product on a test area before application

Further information may be obtained from:

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Gloucestershire.
GL13 9UQ
United Kingdom

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MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND COMPANY

PRODUCT **NATURAL FLOOR VARNISH**

COMPANY: **Polyvine Limited**, Severn Distribution Park, Sharpness, Berkeley, Glos. GL13 9UQ UK
Emergency Telephone 0845 017 1671 International +44 845 017 1671

2. COMPOSITION

Chemical characterisation:	Urethane/Acrylic		
CAS No:	Names:	Conc.:	Symbol
872-50-4	N-Mthyl-2-Pyrollidone	>1%	Xi
121-44-8	Triethylamine	>1%	F,C

3. HAZARDS IDENTIFICATION

On available data this product has no hazard classification according to 88/379/EEC.

4. FIRST AID MEASURES

GENERAL: Immediately remove all contaminated clothing. In all cases of doubt, or when symptoms persist, seek proper medical attention. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air, keep patient warm and at rest if breathing is irregular or stopped, administer artificial respiration. Giving nothing by mouth. If unconscious place in recovery position and seek medical advice.

EYE CONTACT: Holding eyelids apart, flush copiously with clean, fresh water for at least 10 minutes and seek medical advice.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleaner.

DO NOT use solvents or thinners.

INGESTION: If accidentally swallowed obtain medical attention. Keep at rest. DO NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Aqueous dispersions will not burn. Dried films are combustible and may emit noxious fumes. Water, foam, carbon dioxide or dry powder extinguishers are all suitable. Wear breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Spillage should not be washed into any drain. Spillage should be soaked up with an inert absorbent (e.g. sand) for disposal.

7. HANDLING AND STORAGE

HANDLING

This product should be handled in accordance with good safety and hygiene practices. Small levels of volatile organic compounds may accumulate in the headspace of containers, which should be opened in ventilated surroundings.

STORAGE Sealed containers should be stored between 5 C and 40C. Bulk tanks should be externally vented.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS

Local exhaust ventilation may be required in circumstances where the product is sprayed, heated or dried.

PERSONAL PROTECTION

Respiratory	-	Masks, when spraying
Hand	-	Gloves, if risk of skin contact
Eye	-	Goggles, if risk of splashing
Skin	-	Standard industrial overalls if splashing

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	-	Milky Liquid
Odour	-	Mild
PH	-	8.0
Boiling point	-	Approx. 100C (as water)
Flammability and Autoignition temp		N/A
Vapour pressure	-	23 mbar as water
Water solubility	-	Fully miscible
Relative density	-	Approx. 1.03 at 20 C (ISO 8962)

10. STABILITY AND REACTIVITY

This product is stable under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

INHALATION - May be irritating to respiratory system

INGESTION - May be harmful if swallowed

SKIN CONTACT- may cause skin irritation

LONG TERM EXPOSURE - No information available

12. ECOLOGICAL INFORMATION

Do not empty into waters and drains.

13. DISPOSAL INFORMATION

Product recommendation: Do not allow into drains or watercourses.

Empty containers are to be disposed according to official rules.

Contaminated packaging recommendation: Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to approved recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

14. TRANSPORT INFORMATION

This product is not classified hazardous for transportation.

15. REGULATORY INFORMATION

EEC Hazard Classification - None

The product contains only substances, which are on the European Inventory of Existing Chemical Substances (EINECS).

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is based on data provided by sources considered to be reliable. This data is intended to enable safety assessment to be made and should not be construed as guaranteeing specific properties. Users are recommended to consult technical information sheets for advice on specific applications.

Further information may be obtained from:

<p>POLYVINE LIMITED Severn Distribution Park Sharpness, Berkeley, Gloucestershire. GL13 9UQ United Kingdom</p>

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