



TECHNICAL DATA SHEET

PRODUCT: POLYVINE STONE & BRICK VARNISH

PRODUCT DESCRIPTION

Polyvine Stone & Brick Varnish is a white homogeneous liquid, which is composed of a water based dispersion of cross-linking polyurethane acrylic copolymer with matting aids, surfactants, waxes, and rheology modifying agents.

Polyvine Stone & Varnish coat is ideal for use internally on: Stone, Plaster, Brick, Slate, Flagstones, to give a durable clear protective coating with a high degree of resistance to stains and water.

Dries to a dead flat finish, which retains the natural appearance of the substrate after one day drying and curing, in such areas as Fireplaces, Exposed stone walls, Flagstones, Brick walls, Stone window ledges.

SURFACE PREPARATION

Ensure the surface to be coated is clean and free from grease, wax or polish and contamination. Stone & Brick Varnish should not be applied over uncured oil base paint as this may cause discoloration.

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

When applied over a porous paint, it is possible that Stone & Brick Varnish can draw certain stains through the paint, which were not otherwise visible. In this case a stain sealer should be used.

APPLICATION

Polyvine Stone & Brick Varnish can be applied by brush, spray or roller. Apply sparingly Porous surfaces should be primed with Stone & Brick clear coat diluted with 10% water, prior to applying one further coat. 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.

CAUTION

Do not allow to pool in crevices (this will dry cloudy). Test for clarity over dark colours. . Apply evenly do not allow to pool. The application of Stone & Brick Varnish can draw stains/contaminants to the surface. Always test on a trail area before application

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 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 Stone & Brick Varnish	Brand Leader Varnish Spirit Based	PVA Sealer
Wine	4+	4	1
Chemicals	4+	4	1
Water	5	5	1
Detergent	5	5	1
Stains	4+	4+	1
Non yellowing	5	3	5
Abrasion	5	4	1
Clean up	5	0	5
Non reflective	5	0	3
Time to full cure (50% rh. 20 Degrees C)	16Hrs	2Days	2hrs

0 = poor. 5 = good.

FILM PROPERTIES

DRY FILM: Dead Flat

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

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

HARDNESS: Excellent abrasion resistance

NON YELLOWING

RESISTANT TO: Water, Wine, Chemical, Detergent, Stains etc.

PACKAGING

1L/1USQT, 4L/1USGAL 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 assess the suitability of the product on a test area before application

Further information may be obtained from:

POLYVINE LIMITED

Severn Distribution Park
Sharpness, Berkeley,
Gloucestershire.
GL13 9UQ
United Kingdom

Telephone No.	0845 017 1671
International	+44 845 017 1671
Fax:	0845 017 1672
Email	info@polyvine.co.uk

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MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND COMPANY

PRODUCT **STONE AND BRICK 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

O.E.L.

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.

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