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DIRECT**

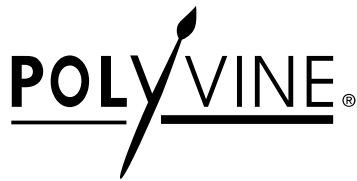


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The following Technical Datasheet is provided by **Polyvine**

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For purchasing information visit:
[Polyvine Exterior Woodstain](#)



TECHNICAL DATA SHEET

PRODUCT: EXTERIOR WOOD STAIN

PRODUCT DESCRIPTION

A Woodstain Acrylic Coating specially formulated to protect exterior wood against ultra violet light and rain damage, with an extremely durable satin finish.

Highly water-resistant, stain resistant, heat resistant, and vapour permeable.

SURFACE PREPARATION

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

APPLICATION

General details for preparation of surfaces

New wood should be allowed to dry thoroughly before assembly begins. If the wood is green or has been pressure treated allow to dry before coating (below 18% moisture content).

New and weathered wood

New wood can be contaminated during preparation, or in the machine shop. Weathered wood can already have contaminants on the surface.

All contaminants and millwork must be removed from the surface by sanding, 80/120 grit for vertical, 60/80 grit for horizontal surfaces.

Fungus, pollen or spores not removed and trapped below the Woodstain will discolour the surface of the timber when exposed to moisture. If contamination is suspected treat timber with a proprietary preservative treatment as recommended by the manufacturer.

Previously painted wood

Completely remove old coating with 60/80 grit sandpaper.

Ensure surface is dry clean and free from dust, follow new and weathered wood instructions.

Pretreatment

Fill all joints, cracks, and nail holes with a good quality polyurethane or acrylic filler prior to coating.

Coating

Apply Wood stain with a good quality synthetic brush, apply in the direction of the grain, maintain a wet coat. Apply 3 coats.

Allow 4 hrs between coats

Best application temperature 10C/50F to 30C/90F. Do not apply in direct sunlight or when rain is imminent.

Saturate all end grains.

Woodstain contains sophisticated UV filter systems, this system will protect to the maximum when the dry film thickness reaches 100 microns. 3 generous coats / 4 standard coats.

Windows, doors and exterior furniture, contain a lot of joints and end grain, to ensure maximum life and to avoid coating delamination, the following procedures should be carried out.

Coat on all surfaces, inside and outside and all edges. Holes, joints and end grain, saturate liberally with the woodstain, fill with good quality filler as required.

Caution

Oak

The open grain texture of Oak can cause **film failure**.

It is **imperative** therefore that the grain is filled with coating before further coats are applied.

Oak is not as resistant to weathering as oily hardwoods and, therefore, needs better protection when used outdoors. The large open pores make the problem worse providing a route for water-ingress.

The coating integrity cannot be guaranteed on green oak.

Another problem with Oak is the high tannin content, if not properly sealed water (rain) can wash the tannin out of the wood leaving a patchy colour and staining to the surrounding areas (bricks, patio, etc.).

Blue-stain mould spores are likely to be present on any piece of timber and will be activated by moisture.

Pre-conditioning to the correct moisture content is very important. If the Oak is outside the moisture content range of 12-20% there will be excessive movement as it comes to equilibrium. The wood can become split, and the coating film may also split exposing bare wood, providing a route for water-ingress and rapid deterioration of the coating.

If this occurs remedial action must be taken immediately to prevent the wood becoming weather-stained. Clean the surface and reapply sufficient coats of the same coating product to fill the cracks/splits.

Caution

Application to softwood, knots and resin pockets will bleed through the coating.

Maintenance

Inspect yearly for signs of wear or damage.

Clean surface thoroughly and wash of all cleaning solution.

A maintenance coat should be applied every 3 / 4 years

COVERAGE

Approx. 10-20 sq. m per litre. 108-215 sq. ft per US qt.

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.

FILM PROPERTIES

DRY FILM: Coloured

DRYING TIME: 1 to 2 Hours @ 20°C / 70°F

Low temperature/high humidity increases drying time.

CURE TIME: Up to 5 days @ 20°C / 70°F

RE COAT TIME: Up to 4 Hours @ 20°C / 70°F

HARDNESS: Durable

NON YELLOWING

NO FIRE HAZARD Before or during use, or in the cured state.

RESISTANT TO: UV light, water and abrasion.

PACKAGING

500ml, 1L, 4L. US pint, 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 assess the suitability of the product on a test area before application

Further information may be obtained from:

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SAFETY DATA SHEET

Polyvine Exterior Woodstain

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Section 1: Identification of the substance/mixture and of the company/undertaking

1:1 Product identifier

Product name: Polyvine Exterior Woodstain

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Company name: POLYVINE LTD VINE HOUSE, CHEDDAR BUSINESS PARK, WEDMORE ROAD, CHEDDAR BS27 3EB ENGLAND Tel: 0044 845 017 1671 Fax: 0044 845 017 1670 Email: laboratory@polyvine.co.uk

1.4. Emergency telephone number

Emergency tel: 0044 845 017 1671 (office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: This product has no classification under CHIP.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: No significant hazard.

Precautionary phrases: Contains preservative based on: biphenyl-2-ol and 2-methyl-2h-isothiazol-3-one. May produce an allergic reaction.

2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients: PRESERVATIVE BASED ON: BIPHENYL-2-OL AND 2-METHYL-2H-ISOTHIAZOL-3-ONE EINECS CAS CHIP Classification CLP Classification Percent - - Xi: R36/38; Sens.: R43; N: R50 –

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness. Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes. [cont...]

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5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions:

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL Workplace exposure limits: Respirable dust State 8 hour TWA 15 min. STEL 8 hour TWA 15 min. STEL UK 67.5 mg/m³ 101.2 mg/m³ - -

8.2. Exposure controls

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: White Clear. Brown Woodgrain.

Odour: Barely perceptible odour

Solubility in water:

Miscible in all proportions

Viscosity: Viscous

Boiling point/range°C: Approx 100

Flash point°C: >100

Relative density: Approx 1 pH: 8-9

VOC g/l: 55

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid Conditions to avoid: Heat.

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10.5. Incompatible materials Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: Not applicable.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential Bioaccumulative potential:

No bioaccumulation potential.

12.4. Mobility in soil Mobility:

Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010. * indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: H319: Causes serious eye irritation. R36/38: Irritating to eyes and skin. R36: Irritating to eyes. R43: May cause sensitisation by skin contact. R50: Very toxic to aquatic organisms.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. [final page]