

# TECHNICAL DATA SHEET

## DECORATORS VARNISH INTERIOR – EXTERIOR

### DESCRIPTION

A unique, water-based, clear acrylic resin varnish that uses nanotechnology to protect a wide range of decorative surfaces - paintwork, wallpaper, fabric, wood and plaster work.

Water-resistant, stain resistant, heat resistant, and vapour permeable. Non-Yellowing, Interior and exterior, quick drying, water resistant, stain resistant, abrasion resistant, microporous, self-extinguishing, the latest UV filters and absorbers reduce, aging and deterioration of surfaces.

Biocides protect against mildew, mould and fungus.

Protects against liquids, finger marks, stains, abrasion, scuffing, weathering and colour fading.

### FOR USE ON

**Internal wood • decorative paintwork • emulsion paint • wallpaper • murals • plaster murals, emulsion paint, other water-based paints, wallpaper and other surfaces**

### AVAILABLE FINISHES

Gloss for a shiny finish, satin for depth and a soft sheen, dead flat for a completely shine free surface.

**Dead Flat Sheen - Light Refraction:** Many factors affect how interior varnishes sheen is perceived, sunlight, artificial light, shadows, surface texture and even reflections from other surfaces all affect sheen on interior varnished walls.

To achieve the matting effect small, jagged particles in the varnish must protrude through the surface of the varnish as it dries. This breaks the gloss resin film surface and disperses the light.

If the varnish is applied too thickly, the resin will overcome the particle size of the matting agent, the thicker the application the higher the sheen gain. Apply dead flat finish sparingly and brush out well. Use a Polyvine synthetic varnish brush.

Light Saturation - if the light falling onto the flatted surface is too intense it will saturate the surface and give the illusion of sheen.

If the Varnish is applied to a very highly porous surface, the matting can be absorbed into the substrate leaving traces of the glossy resin; giving the illusion of sheen.

### UNIQUE SELLING POINTS

Very fast drying. Microporous. Complete biocidal protection.

UV protective filters - absorb harmful UV radiation, providing colour fade resistance, surface stability, and protection from outdoor weathering, non-yellowing.

Microporous, the special microporous structure, resists water ingress. The water repellent surface is highly durable. the structure allows the finished surface to breathe. The minute micro pores repel mould and other airborne contaminants whilst allowing air to pass through, protecting the decor from algae, mildew and fungal attack.

Biocide boost - the finished surface remains free from mould, algae and fungus. Inside and outside. The product gives excellent protection to the dried film from fungal degradation.

Quick drying - fast dry and recoat time.

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## 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.

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.

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.

For dead flat exterior application on bare wood, apply 3 coats of satin followed by 1 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.

## 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 apply when rain is imminent.

Test dead flat finish for misting over dark colours.

Test dead flat finish on all wallpapers to ensure compatibility.

When applied over emulsion/latex paint, it is possible that Decorators Varnish can draw certain stains through the paint, which would not otherwise be visible.

Do not apply over uncured oils.

Do not continuously submerge in water. Test for compatibility before application. Not suitable for exterior bare timber or vinyl wall covering.

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

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. Test for compatibility before application.

## COVERAGE

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

## NUMBER OF COATS

See application section.

**Cure Time:** Up to 5 days @ 20°C / 70°F

**Drying Time:** 30 minutes

**Recoat Time:** 2 hours

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## PACKAGING

100ml, 500ml, 1L, 2L (satin and dead flat), 4L, 3.52oz, US pint, 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 ENVIRONMENT

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.

A breathable varnish is a material that will allow the water vapour to permeate, travel or transfer through itself. Standard: BS EN ISO 7783:2011 SD Value stands for steam diffusion. Polyvine Decorators Varnish is Class V2 with good breathability

## 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.

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## 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

**TEL** 01934 740305 **EMAIL** [info@polyvine.co.uk](mailto:info@polyvine.co.uk)

For technical and recycling info visit our website [polyvine.com](https://polyvine.com)

EU VOC limit 130g/L 2010 (cat A/e) contains 127g/L

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