



## TECHNICAL DATA SHEET

### PRODUCT: POLYVINE ACRYLIC ENAMEL

#### PRODUCT DESCRIPTION

An ultra hard sandable fast drying acrylic enamel.

The enamel is a coloured homogeneous liquid, which is composed of a water-based dispersion of cross-linking acrylic copolymer with surfactants, waxes, and rheology modifying agents.

Polyvine acrylic enamel is ideal for use on: metal, glass, wood, certain plastics, porous and non porous surfaces to give a hard clear protective coating with chemical and abrasion resistance.

Dries to a gloss finish.

#### SURFACE PREPARATION

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

Abrade non-porous surfaces if necessary.

#### APPLICATION

Polyvine acrylic enamel can be applied by brush, airbrush, spray or roller. Porous surfaces should be primed. Apply 2-3 coats as required. Ensure that each coat is dry before the next is applied.

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.

Any equipment used can be cleaned using soap and water before the enamel dries. Wipe any excess off surfaces with a damp cloth. Any dried deposits will need a paint stripper to remove them.

**Coverage** Approx. 15-20 sq. m per litre 160-215 sq. ft per US qt

**No of Coats** 2/3 coats

**Drying Time** 15mins-1 hr, depending on temperature

**Recoat Time** 2hrs-4hrs

**Curing** Allow 5-7 days before placing heavy objects on surface

**Cleaning** Clean tools/equipment with warm soapy water, rinse well with clean water, allow to dry naturally.

**Flammability** No fire hazard before or during use, or in the cured state.

**Storage** Protect from extremes of temperature during storage and application.

**Thinning** Up to 10% on porous surfaces.

### **Health Safety and the Environment**

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 water courses.

### **Film Properties**

Dry film: gloss

VOC 38g per L

Drying time: approx. 30 minutes @ 20degrees c / 70degrees f

Cure time: approx. 16 hours @ 20degrees c / 70degrees f

Hardness: approx. 150 sec konig hardness

Non-yellowing

Resistant to: water, tea, coffee, alcohol, detergent, wet hot pans, etc.

20ml, 50ml 100ml

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:

Date of issue: October 2006

**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 1670

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# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

### PRODUCT

### Acrylic Enamel

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

## 2. COMPOSITION

Water based dispersion of methacrylic esters, pigments and surfactants with no hazard classification

Chemical characterisation: Acrylic

CAS N o: Names: Conc.:

## 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	-	Coloured liquid
Odour	-	Mild
PH	-	8.0
VOC	-	38
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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Date of issue: October 2006



## TECHNICAL DATA

### PRODUCT

### ACRYLIC METALLIC

DESCRIPTION Metallic paints with very good brushing qualities and spread properties. The unusual mica pigment dries to a metallic sheen, which can be polished to a high shine. Sovereign (Pale) Gold, Heraldic (Bright) Gold, Imperial (Antique) Gold, Grecian Copper, Elizabethan Pewter, Roman Silver.

SHEEN LEVEL Semi gloss

CONTAINERS 500ml, 1L, 4L. US pint, US Quart, US Gal.

APPLICATION Ensure Acrylic Metallic is well mixed. Ensure all surfaces are clean and free from grease, oil, dirt and contaminants. Apply 2-3 coats as required using a good quality brush. Ensure that each coat is dry before the next is applied.

On bare wood lightly sand the first coat to remove grain raising.

Take care to eliminate brush marks by overbrushing. Brush marks will be highlighted by the metallic sheen.

Use a similar base colour to greatly increase covering power.

Stippling the wet surface with a stippling brush will produce a hammered finish

### USES

Furniture. Woodwork. Plaster work. Ceramic. Interiors. Non Ferrous metals.

### COVERAGE

Approx. 8 sq. m per litre 85 sq. ft per US qt

### No OF COATS

2/ 3 coats

### DRYING TIME

15mins-1 hr, depending on temperature

### RECOAT TIME

2hrs – 4hrs

### CURING

Allow 5-7 days before placing heavy objects on surface, or exposure to water.

### CLEANING

Clean tools/equipment with warm soapy water, rinse well with clean water, allow to dry naturally.

### FLAMMABILITY

No fire hazard before or during use, or in the cured state.

### STORAGE

Protect from extremes of temperature during storage and application.

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.

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