

# Epoxy Coating



*Manufacturers of High  
Performance Floor  
Coatings and  
Re-Surfacing Screeds*

**COATINGS**

- ▲ **Solvent Free—Virtually Odourless**
- ▲ **Withstands Fork Trucks**
- ▲ **Low Temperature Hardening**
- ▲ **High Chemical Resistance**



## THE RANGE

We have been manufacturing high performance floor coatings for over thirty six years. All our epoxy floor coatings have been designed and developed with advice from applicators and clients to provide easy to mix and apply products. Long term performance and great value for money.

## EPOXY COATING

This grade is solvent free, and odourless making it ideal for painting floors in environments that are operational or have poor ventilation. This tough, chemically resistant floor coating will harden in low temperatures and provide long term protection against fork trucks and chemical spillage.

Available in 2 Litre, 4.50 Litre and 9 Litre twin packs

Epoxy Products Limited  
Unit 7 Haviland Road  
Ferndown Ind. Estate  
Wimborne  
Dorset  
BH21 7RZ

Phone: 01202 891899  
Email: [sales@epoxyproducts.co.uk](mailto:sales@epoxyproducts.co.uk)  
Web: [www.epoxyproducts.co.uk](http://www.epoxyproducts.co.uk)

[http://www.epoxyproducts.co.uk/epoxy\\_floor\\_paint.html](http://www.epoxyproducts.co.uk/epoxy_floor_paint.html)

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## **DESCRIPTION**

**EPOXY COATING** is a high quality industrial epoxy floor paint. This solvent free, twin pack, will provide a painted flooring resistant to heavy fork trucks, intense trafficking and chemical spillages resistance from most solvents, oils, greases and fuels.

**USES:** It will provide long term protection to concrete floors that demand high levels of durability and performance such as factories, warehouses, engineering workshops, plant rooms, in fact any floor that is heavily trafficked by fork trucks, pallet trucks or pedestrians.

**PREPARATION:** Surfaces must be clean, dry, sound and free from grease, oil, dust and other forms of contamination. Concrete laitence should be removed by acid washing using CONCRETE ETCH and rinsed thoroughly. For best results Vacuum Track Shot Blasting or Vacuum Floor Grinding is recommended. This coating can also be applied onto previously painted floors providing the existing floor paint is clean, sound and well abraded prior to application. Best results are achieved using an STG Floor Sander and carborundum discs papers. Vacuum the area clean.

**REPAIRS:** Fill all deep obvious holes or wide cracks (not expansion jointing) with EPOXY FILLER or PATCHING MORTAR prior to priming.

**PRIMING:** Bare concrete must be swept or vacuumed clean and primed with one coat of EPOXY SEALER at least 24 hours prior to applying the EPOXY COATING. For damp surfaces apply our EPOXY SEALER WB or to provide a secondary membrane apply our LIQUID SURFACE MEMBRANE. Apply the COATING within 7 days of the primer system. Existing sealed or painted surfaces do not need a primer.

**MIXING:** Wear Personal Protective Equipment: protective eye glasses and vinyl gloves. Empty the entire contents of Pack "B" (Hardener) into Pack "A" (Resin) and stir using a mixing paddle and an electric drill on slow speed for 3 minutes. Use immediately after mixing and all within 35 minutes.

**APPLICATION:** Apply the coating immediately after mixing by brush or paint roller. One coat upon a primed surface will provide excellent durability. Fine aggregates can be sprinkled upon the wet coating during its application to provide some slip resistance, alternatively, apply our EPOXY SAFETY COATING which has traction enhancing granules incorporated within the product.

**LIMITATIONS:** For White, Silver Grey and Cornflower Blue, do not apply in conditions where concrete floor temperatures are below 8°C.

**HEALTH AND SAFETY:** Read Health and Safety Data sheets prior to handling this product.

## **PRODUCT DATA**

### **COVERAGE**

4.5 Litres will cover 30m<sup>2</sup> per coat depending upon the porosity and texture of the substrate.

### **POT LIFE**

When fully mixed approximately 35 minutes at 20°C. Extended pot life at lower temperatures,

### **CURING/HARDENING TIME @ 20°C**

Tack free after 18 hours. Light traffic after 24 hours. Heavy fork trucks after 2 days

### **CHEMICAL RESISTANCE**

Resistant to spillages of most chemicals commonly met within industry.

Contact our Technical Services Department for immediate advice.

### **STRENGTHS**

Parameter	Unit	Figure	Method
Hardness 13°C, 24 hours	Shore D	58	DIN53505
23°C, 24 hours		69	
23°C, 7 days		77	
Compressive Strength	N/mm <sup>2</sup>	90	EN ISO604
Bending Tensile	N/mm <sup>2</sup>	72	EN ISO178
Tensile Strength	N/mm <sup>2</sup>	41	EN ISO 527-1
Adhesion/Pull Off Strength	N/mm <sup>2</sup>	2	DIN EN 13578
Abrasion Resistance	mg	55	Taber(CS10,1000,1000)

### **FIRE RESISTANCE**

Tested to BS476:Part 6 and Part 7—Surface Spread of Flame—Classified Class 1

### **SLIP RESISTANCE**

The fully cured coating will become slippery when wet. Additional slip resistance can be achieved by the incorporation of fine aggregates sprinkled upon the wet surface during its application.

### **COLOURS**

In house colours available and colour matching service available.

### **PACK SIZES**

2 Litre, 4.50 Litre and 9 Litre packs (Combined volume of resin and hardener when mixed)

### **LIMITATIONS**

Do not apply onto wet concrete or in temperatures below 5°C.

As with all epoxy resin flooring systems some yellowing of the colour will occur if exposed to direct UV Light (sunlight) and warm temperatures.

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