

## TECHNICAL DATA SHEET

V2-07/04/2024

## P117 SAFE FLOOR

### DESCRIPTION

A twin pack acrylic-based polyurethane floor coating which is extremely tough and has a non-slip surface, even in cold and wet conditions.

### PROPERTIES

- Non-slip and safe to walk on
- Abrasion resistant
- Weather resistant
- Excellent adhesion to most substrates including concrete, wood, primed metal and fiberglass.
- Good chemical resistance
- Excellent gloss retention

<b>COLOUR</b>	: Selected Colours
<b>Nº. OF COMPONENTS</b>	: 2
<b>MIXING RATIO (VOL)</b>	: 4 : 1
<b>CONSISTENCY</b>	: Liquid
<b>VOLUME SOLIDS</b>	: 55%
<b>PRACTICAL SPREAD RATES</b>	: 1 - 2m <sup>2</sup> /ℓ (1m <sup>2</sup> /ℓ = 500μm DFT)
<b>POT LIFE @ 25°C</b>	: 4 hrs
<b>TOUCH DRY @ 25°C</b>	: 2 hrs
<b>HARD DRY @ 25°C</b>	: 8 hrs
<b>OVERCOATING TIME @ 25°C</b>	: 4 hrs
<b>LIGHT TRAFFIC @ 25°C</b>	: 24 hrs
<b>APPLICATION METHOD</b>	: Stipple roller, brush or airless spray
<b>THINNING SOLVENT</b>	: Polyurethane Thinners
<b>CLEANING EQUIPMENT</b>	: P701 WSBC
<b>SHELF LIFE</b>	: 12 months
<b>PACK SIZE</b>	: 1 & 5ℓt

### RECOMMENDED AREAS FOR USE

- Used for floors where safety is important.  
(i.e. Old Age Homes, ablution blocks, shower floors, etc.)
- Steps
- Ramps
- Boat Decks

### CHEMICAL RESISTANCE

Chemical	Surface Change
Fresh water	None
Petrol	None
Sea water	None
Diesel	None
Nitric acid (10%)	None
Motor oil	None
Acetic acid (10%)	None
White Spirits	None
Acetic acid (conc)	Softening
Xylene	None
Sulphuric acid (50%)	None
Toluene	None
Caustic soda (20%)	None
MEK	Softening
Bleach	None
MIBK	Softening
Dish Liquid (detergent)	None
MEG	None
Handy Andy	None
Alcohol (Isopropanol)	None
Brake Fluid	None

*The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.*



## **SURFACE PREPARATION AND**

### **PRIMING CEMENT SURFACES**

New floors should be allowed to dry for 4 to 5 weeks. Smooth floors should be acid etched with a 10% hydrochloric acid solution then rinsed well with water. Grease should be removed with a suitable degreaser and then rinsed with water. It is essential that the floor is clean, dry and suitably etched.

Optional: Prime with a single coat of P101. Apply at approximately 10m<sup>2</sup>/ℓ then allow it to dry for 4 hrs minimum and 48 hrs maximum (at 23°C) before overcoating with Safe Floor.

### **FERROUS METAL**

Remove rust, mill scale, grease and any contaminants. The surface should be clean and dry. For the longest life sandblasting is the best method of preparation. Prime with P504 Surface Tolerant Epoxy Primer. Apply at approximately 5m<sup>2</sup>/ℓ then allow to dry for 4 Hrs minimum (at 23°C) before over coating with Safe Floor.

### **GALVANISED IRON & ALUMINIUM**

Wash with P714 Galv Etch until a water-break-free surface is obtained. Rinse galvanized iron and aluminium with water. Prime with P504 Surface Tolerant Epoxy Primer. Apply at approximately 5m<sup>2</sup>/ℓ then allow it to dry for 4 Hrs minimum (at 23°C) before over- coating with Safe Floor.

### **WOOD**

Sand down and fill all imperfections. The surface must be clean and dry. Apply Safe Floor direct.

### **FIBREGLASS**

Abrade surface with approximately 220 grit sandpaper. Wash down with detergent and rinse clean. Prime with P504 Surface Tolerant Epoxy Primer. Apply at approximately 5m<sup>2</sup>/ℓ then allow it to dry for 4 Hrs minimum (at 23°C) before over-coating with Safe Floor.

### **PREVIOUSLY PAINTED**

If the previous coating is a good quality Epoxy or Twin Pack Polyurethane paint, it can be abraded with 100 to 220 grit sandpaper, then washed and allowed to dry. Other paints should be stripped to a bare surface and treated as new work.

### **APPLICATION**

Can be applied by brush, roller or spray.  
Best results are achieved by roller (foam 'stipple' type) or spray application. Spray: Use an 'undercoating gun' or 4 – 6mm nozzle with conventional spray Can also be applied by airless spray.  
Apply 2 or 3 coats.

### **OVERCOATING**

Can be over-coated with Polyurethanes within the specified time intervals after which it is necessary to abrade surfaces to a matt finish.

### **CLEANING**

Clean equipment with P701 Water Soluble Brush Cleaner before the material cures.

### **TOXICITY**

Inhalation: Move to fresh air. In case of any discomfort seek medical attention immediately.  
Skin: Drench with water. Remove contaminated clothing. Use a skin cleaner. In severe cases refer to Doctor.  
Eyes: Rinse immediately with plenty of water. Seek medical advice if symptoms persist.  
Ingestion: Wash mouth with plenty of water. Do not induce vomiting, seek medical attention.

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- Porous Screeds: Prime with P118 Solvent Free Epoxy Primer @ 4m<sup>2</sup>/litre
  - Repair: Fill all imperfections with P302 Epoxy Mortar (Std)

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