



# Polyscreed

## Product Description Sheet

Ref: PDS – 03C

### POLYSCREED

A specially formulated, two component polymer based cement mortar screed system designed to provide excellent adhesion to clean sound concrete surfaces.

### WHERE TO USE

Polyscreed is typically used as a smoothing and resurfacing compound for concrete floors and is an ideal underlayment for Crosscote and many other types of resin bound flooring systems and a wide variety of coatings. It is also suitable as an underlayment for other types of floor finishes such as carpet and carpet tiles, sheet vinyl, laminate flooring and ceramic tiles etc.

The mix ratio of the Polymer Liquid Catalyst and the pre blended aggregate fillers may be varied to suit the application conditions of each installation thus allowing the system to be laid to slopes when required to improve surface profiles where improved drainage to channels and gullies is required. Polyscreed can be laid to any thickness up to 75mm in one application and when the Fine Grade Powder is used down to a feather edge finish.

The formulation of Polyscreed shows a vastly improved resistance to water, this is achieved by the action of the Polyscreed Liquid Catalyst creating a more impermeable and dense surface.

### PHYSICAL PROPERTIES

#### Pack Size :

Polyscreed Liquid	20 litre pail
Polyscreed Powder	25 kg bag

Polyscreed Powder is available in the following grades:-  
Standard  
Fine

Typical yield from a standard mix comprising 2.5/3.0 litres of Liquid and 25 kgs of powder is 2m<sup>2</sup> @ 6mm thickness.

### PHYSICAL PROPERTIES Con't

**Compressive Strength**  
DIN EN 196 33N/mm<sup>2</sup>

**Flexural Strength**  
DIN EN 196 8.7N/mm<sup>2</sup>

**Adhesion**  
To concrete  
28 days KLIMA 25/50  
DIN 18555 2.8N/mm<sup>2</sup>

**Hardness**  
Durometer "D"  
Range: 60-70  
Typical: 65

Polyscreed is formulated from materials which are designed to achieve the highest level of service performance.

### SAFETY & HYGIENE

Polyscreed Liquid is a water based latex emulsion and is not considered harmful to the environment. Polyscreed Powder contains cement and fine dust particles. Always wear protective clothing and equipment. In all cases spillages or skin contamination should be cleared as soon as possible by dry wiping the affected area and then thoroughly washing with soap and water. Further safety information may be obtained from Material Safety Data Sheet Ref: MSDS – 03C.

### APPLICATION

#### Conditions:

Polyscreed should not be applied in wet conditions or where such conditions are likely to occur before the mix has dried. Dry or porous substrates may be damped and must be primed immediately prior to the application. Horizontal surfaces must be free of standing water. Polyscreed should not be applied where the air or background temperature is likely to fall below 7°C.

### APPLICATION

#### Procedure:

All surfaces to receive Polyscreed should be free from laitance and contamination, clean and structurally sound. Polyscreed is usually mixed in a Pan Type mixer in a ratio of 2.5/3.0 litre of liquid to 25 kgs of powder and generally applied by straightedge and trowel. The mixture may be applied to the desired thickness in one operation up to 75mm. Polyscreed is usually finished with a flat steel trowel to produce a smooth dense surface that may be used for traffic or an underlayment to receive a final finishing material.

### GENERAL INFORMATION

The information contained in this description sheet is, to the best of our knowledge, correct and reliable.

Polymer Cement Systems Ltd. products are designed for use by professional applicators.

Polymer Cement Systems Ltd. endeavours to ensure that any recommendations, advice or specification assistance is, to the best of the company's ability, accurate and correct but due to the fact we have no direct control over where or how the material is applied cannot accept any liability, either directly or indirectly, for the use of this product.

In the event of the product being found faulty due to a manufacturing defect, within 12 months from the date of purchase, the company will supply replacement material on a free of charge basis.

### Cross-Guard

Division of

**Polymer Cement Systems Ltd.**

Kirkham Trading Park  
Freckleton Road, Kirkham,  
Preston, PR4 3RB

Tel +44 (0)1299 406022

Fax +44 (0)1299 406023

e-mail: info@cross-guard.co.uk

www.cross-guard.co.uk