

# MIPRO-E S/L

## SELF LEVEL EPOXY FLOORING

**DESCRIPTION** MIPRO-E S/L is a seamless, self-smoothing epoxy flooring system laid between 2-3 mm in a single application.

**RECOMMENDED USES** To provide an easy to clean, hygienic, anti-fungal and anti-bacterial finishes, chemical resistant and hard wearing floor finish. Typical areas for use are food, pharmaceuticals, bottling plants, packaging plants, breweries, engineering and automobile industries, chemical industries and many more.

### **BENEFITS**

- Anti-bacterial and Anti-fungal properties
- Seamless & hygienic finish, no crevices where dirt and bacteria can dwell.
- Excellent chemical resistance to sugar & acid.
- Easy to clean & sterilize, low maintenance requirement.
- Attractive, light reflectance appearance.
- High abrasion resistance.
- Solvent free; low odour. Fast installation.

**COLOURS** Available in Standard Flooring colours. Other colours. Can be matched upon request.

### **FINISH** Gloss

### **TECHNICAL DATA**

Bond strength	Cohesive strength of concrete	Tack free time	20 hrs @ 10°C 10 hrs @ 20°C
Compressive strength	55 N/mm <sup>2</sup>	Full traffic	72 hrs @ 10°C 48 hrs @ 20°C
Water absorption	0%	Fully cure	12 days @ 10°C 7 days @ 20°C
Abrasion resistance	<0.05mm	No. of components	3
Flexural strength	33 N/mm <sup>2</sup>	Mixing Ratio	As mention on pack by weight of Part A, Part B & Part C
Impact resistance	Good	Packaging	17.5 kgs
Decontamination classification	Good	Storage & Shelf life	Unopened in dry conditions at 10°C- 25°C /12 months
Pot life	90 min @ 10°C 60 min @ 20°C	Estimated Coverage	At 2mm, 4.5 per pack of 15 kgs.
Light traffic	36 hrs @ 10°C 24 hrs @ 20°C	<b>NOTE:</b> Coverage figure given is theoretical-due to wastage factors and the variety nature of the substrate, the practical coverage may be reduced and this may vary with the site application conditions.	

**MIPRO-E S/L** should be applied by specialist applications who must follow by the product application guide. The following steps are involved in the application procedures involved.

The following steps are involved in the application which would normally take place over a 3.5 day period.

**APPLICATION** Thoroughly prepare the floor surface, if necessary repair and level the floor surface. Apply primer **MIPRO-EP** solvent free epoxy primer by roller and allow to cure. Apply **MIPRO-E S/L** floor topping by trowel, squeegee or roller. Thoroughly spike roll the **MIPRO-E S/L** and allow to cure installation time will vary with site conditions, the areas involved and the system chosen.

**MIXING** Pack components are pre-weighed for optimum performance. Never split or proportion packs. Add hardener B to base A in a mixing container. Mix with a slow speed drill and helical spinner, or in a pan tight mixer, until uniform. Mix in the filler C in binder (A+B) with a drill and helical spinner, or in a pan type mixer until uniform. Take care not to entrain air.

## CHEMIPROTECT ENGINEERS

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**APPLICATION PROCEDURE REPAIRS AND LEVELS** All damaged areas of floor should be made good and up to level with **MIPRO-E** Epoxy screed.

**Surface Preparation** Substrate to be coated must be sound, epoxy mortar applied over wet **MIPRO-EP** epoxy primer. Clean and free from any contamination. Total enclosed shot to rectify levels use epoxy scratch coat **MIPRO-E S/L** blasting or clarifying should be employed followed by **(SC)** prior to MIPRO-E S/L application. If moisture content thorough vacuuming. All applications must be carried out in is above 75% RH. Use **MIPROCEM S/L** as accordance with manufacturers' written instructions.

**LIMITATION MIPRO-E S/L** should not be applied onto surfaces known to suffer from rising damp conditions or having a relative humidity of greater than 75% as measure by a thermo hygrometer. If such an occurrence should happen it is a recommended to apply **MIPROCEM S/L** as a moisture barrier. Further information available upon request. If movement or cracking of the substrate takes place after application then reflective cracking of the topping may occur. All know expansion joints should be maintained in the topping.

**MIPRO-E S/L** should not be applied to the following **substrate**: Asphalt, unmodified sand cement screeds, PVC tiles or tiles.

**TEMPERATURE: MIPRO-E S/L** should not be applied at material or floor temperatures below 10°C. Temperature should not fall below 5°C in the 24 hrs after application.

**SUBSTRATE MOVEMENT** All moving joints must be carried through and properly sealed. Construction joints and cracks may be covered but if substrate movement occurs, the **MIPRO-E S/L** will reflect the cracks.

### **HEALTH & SAFETY**

Some of the components of this product may be hazardous during mixing and application. Keep out of reach of children. For further information, refer to the product Material Safety Data Sheet, available upon request.

### **CHEMICAL RESISTANCE**

	Excellent	Good	Limited		Excellent	Good	Limited
Hydrochloric acid 10%	√			Citric acid	√		
Sulphuric acid 25%	√			Acetic acid 5%		√	
Citric acid	√			Lactic acid 10%		√	
Acetic acid 5%		√		Acetone			√
Lactic acid 10%		√		Methanol		√	
Acetone			√	Sugar syrups	√		
Methanol		√		Caustic soda	√		
Sugar syrups	√			Petrol		√	
Caustic soda	√			Oil	√		
Petrol		√		Detergents	√		
Oil	√			Detergents	√		
Detergents	√			Hydrochloric acid 10%	√		
Sulphuric acid 25%	√						

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