

# HYGIENIC SOLUTIONS ECO FLOOR

## PRODUCT FEATURES

Hygienic Solutions Eco industrial flooring system is made from an ECO binder technology, which has no VOC's, no isocyanates, no diisocyanates or any other harmful products that are harmful to the planet or man. The product is naturally white in colour and can be pigmented to any RAL colour or printed on with a stencil for patterns and pictures for a decorative flooring system.

## WHERE TO USE

- Factory floors
- Food stores
- Food preparation factories
- High mechanical areas
- Garages
- Shopping Malls
- BOH Hotel areas
- Airports
- Hospitals
- Schools
- Walkways
- Indoor Use only

## BENEFITS OF THE SYSTEM

- Self-levelling
- Ideal as a floor finish and self-level screed
- Fast curing and drying 4 hours
- High abrasion resistance
- 100% mineral with no chemicals
- High resistance to chemicals and salt water
- High flowability to self-level
- Seamless no joints
- High compressive strength
- High flexural strength
- Pigmented to any RAL colour
- Made from Green field waste
- No Cement which is harmful to the environment

## APPLICATION GUIDE

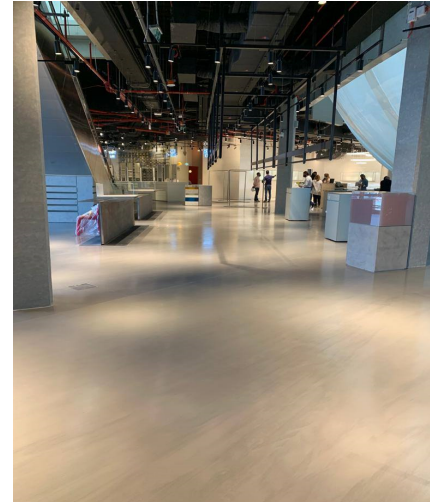
Mix HS Industrial Powder 25kg to 6.5 litres of clean water and mix with a suitable hand drill or mixing machine (DLX mixing paddle) the material should be mixed for a minimum 2 minutes then leave to set for 3 minutes and then mixed for a further 1 minute. At the beginning of the mixing the mix is creamy do not add any further water, the material will become more fluid after the setting stage.

Pour the material and distribute with a screed rake or trowel to the intended thickness, Roll the fresh surface with a metal spiked roller to avoid pin holes from synthetic spike rollers. Consider the spikes to be long enough, with manual processing allow 5 minutes to be maintained between the end of the mixing time and application of the materials this minimises the rising of air bubbles within the poured materials.

Once applied keep all drafts and high winds off the floor finishes for the first 24 hours, do not cover the finished surface with foils or other materials.

## PREPARATION TO SUBSTRATE

Ensure the surface is stable and has sufficient compressive strength, dry and free of all contamination, mechanical surface preparation is recommended ie shot blasting or a heavy grind. However, all undulations must be prepared and not missed if grinding. The surface must be crack free or cracks repaired with HS Epoxy repair filler, the surface should be primed this will stop any air bubbles arising from the screed or concrete causing a problem later on with the final finish, the self-level industrial floor can be applied over the primer after 6 hours.



TECHNICAL PROPERTIES		
PROPERTIES	TEST STANDARDS	TYPICAL VALUES
Strength Class	DIN EN 13813	CT-C40-F7
Mixing Ratios to Water		6.51 Clean Water to 25kg Powder
Application Thickness		2mm - 30mm Thickness
Walkability		After 4 Hours
Light Loads		1 Day
Fully Loadable		4 Days
Processing Temperature		Min +5° C / Max 35° C
Compressive Strength		40N/mm2
Flexural Strength		7.5N/mm2
Elastic Modulus		10.2KN/mm2
Abrasion Resistance	BCA	AR 0,5
Processing time @ 20° C		60 Minutes
Bulk Density		1.1 KG/dm3
Fresh Mortar Density		2.0 KG/dm3

## EN 13813

### EN 13813 CT-C40-F7-AR0,5

Innovative, white or colored, self-leveling mortar. Hardens fast and tension-relieved with a layer thickness of 2 – 30 mm.

Fire behavior	A1
Compressive strength	C40
Flexural strength	F7
Release of corrosive substances	CT

## UAE OFFICE

KIZAD, Abu Dhabi, PO Box 126886  
Email: info@HygienicMMAResins.com, Phone: +971 2 884 5673  
www.HygienicMMAResins.com