

Repair Systems for Floors & Walls – Multiflex Self Levelling Floor System

Multiflex Self Levelling Flooring System is based on a blend of Epoxy Resin and Curing Agent binder, giving the low viscosity characteristics necessary to wet out the filler packs. The easily mixed system provides a 2mm (min) floor topping with advantages to both contractors and clients. The Epoxy Resin, the curing agent and filler components are supplied pre-weighed units, ready for blending prior to use on site.

Multiflex Self Levelling Flooring System is suitable for use where a hard wearing, dust free, hygienic, easy to clean floor topping is required. It is widely used in industrial or commercial floors, laboratories, showrooms, schools, plant rooms and food industries.

PRODUCT ATTRIBUTES

- Good Self Levelling properties i.e. easy application
- Easy to clean and hygienic
- Good chemical resistance
- Solvent free
- Choice of colour range
- Hard wearing, high impact and abrasion resistance
- Minimum floor 'out time'
- Excellent adhesion to a variety of substrates
- Good curing performance at low temperatures
- Good surface finish, free from pin holes

APPLICATION

All areas should be clean, dry and free from builder's rubble or laitance. Insufficient attention to the preparation of the substrate could cause a premature failure in an otherwise sound floor. When applying Multiflex Self Levelling Flooring System, special attention should be given to the removal of grease, oil or other agents which may impair adhesion.

Surface Application: New concrete should be at least 21-28 days old or the moisture content less than 5%. The substrate should be either vacuum blasted or mechanically scabbled. Existing concrete floors should be sound and preparation methods may involve the patching of floor areas with **Multiflex Epoxy Concrete Repair Mortar**.

Priming: All floors must be thoroughly sealed with Multiflex SL Primer prior to the application of Multiflex Self Levelling Flooring System. Multiflex SL Primer is supplied in pre-weighed packs. Ensure that the curing agent is added to the resin and mixed thoroughly. Multiflex SL Primer is applied to the substrate by brush or roller ensuring a continuous film over the whole floor surface.

Mixing: **Multiflex Self Levelling Flooring System** is supplied in pre-weighed packs and should be mixed in a forced action mixer such as Daines, Mega-mixer, Mixal etc. To obtain the best results the product should be mixed as follows:

Add the curing agent Component B to the pigmented Epoxy Resin Component A. Mix thoroughly until a uniform colour is formed. Transfer the mixed system to a mixing vessel and slowly added the graded filler, Component C, as supplied and continue mixing for 2-5 minutes until homogenous.

Application: Pour the mixed material on to the pre-sealed substrate and spread to the required level by steel trowel. Immediately after steel trowelling use spiked rollers to aid the release of air.

Expansion Joint: All existing joints in the substrate should be followed through in the **Multiflex SL Flooring System**

TECHNICAL SPECIFICATION @ 20°C

N.B Bond strength of primed concrete is greater than the cohesive strength of concrete substrate.

Compressive strength (N/mm ²)	62
Modulus (KN/mm ²) (ASTM D645)	4.40
Flexural Strength	
Strength (N/mm ²) (ASTM D790)	38
Minimum Application Temp:	8°C
Useable Time (1Kg)	60 mins
Full Traffic	1-2 days
Full Cure	7 days
Coverage Rates (guide only)	6m ² @ 2mm/20kg
Cleaning (not for use on hands)	Cleaning Solv No.2
Shelf Life	12 months
Storage Temp	5°C- 35°C
Packaging	3KG & 20KG
Colour range	Wide range available

CHEMICAL RESISTANCE

SL is resistant to a very wide range of chemicals but we recommend that any specific chemical resistance properties should be cleared with our technical dept.

HEALTH & SAFETY

See Health & safety Data sheet

Morgan Polymers can give no product guarantee (either written or implied) due to the fact that application techniques vary and are totally outside their control.