

Repair Systems For Floors And Walls – Multiflex Water Based Epoxy Coating

Multiflex Water Based Epoxy Coating is a two part dispersed epoxy coating. It can be thinned with water and contains no solvents. Therefore it is odour free. Multiflex Water Based Epoxy Coating is also non-flammable and is also suitable for application onto damp surfaces.

Multiflex Water Based Epoxy Coating is suitable for use as an economical protection to concrete surfaces in a wide range of locations such as dairies, abattoirs, food preparation areas, and factories. Multiflex Water Based Epoxy Coating provides an ideal swimming pool coating for rendered pools, giving long life and high wear resistance. The cured material is non-toxic and is suitable for use in contact with drinking water and foodstuffs.

PRODUCT ATTRIBUTES

- Non-flammable
- Water based
- Bonds to damp surfaces
- Contains no solvent

COLOUR RANGE

Available in all BS and RAL colours.

TECHNICAL SPECIFICATION @ 20°C

Touch Dry:	6-8 hours
Shelf Life:	12 months
Pot Life:	60 minutes
Film WFT:	250 microns
Film DFT:	150 microns
Bond Strength:	Greater than 3.6N/mm ²
Full Cure:	7 days

APPLICATION

New concrete should be at least 28 days old, or the moisture content less than 6%. Do not apply below 8°C.

The substrate should be clean and free from laitance, oil, grease and any other substance that may affect adhesion. Cleaning techniques should be mechanical means such as scabbling, blasting or grinding, depending upon the condition of the substrate. Existing concrete should be sound with any surface repairs carried out using Multiflex Repair Mortar.

Steel surfaces should be shot blasted to remove all traces of rust, scale and oxide layers.

Mixing

Multiflex Water Based Epoxy Coating is supplied in pre-weighed containers and is ready for mixing on site. The individual components of Multiflex Water Based Epoxy Coating should be stirred before the two are mixed together. The entire component A should be added to curing agent B and mixed thoroughly for 5 minutes. (The use of a paddle head mixer on a slow speed drill is recommended.)

Application on all surfaces is by brush or roller, ensuring complete coverage of the substrate. The second coat should be applied within 24 hours of the first, and preferably as soon as the first coat is touch dry. If a non-skid finish is required, then the aggregates can be applied to the first or second coat whilst still tacky, depending on the finish required.

Application on Steel

The prepared steel should be primed using Multiflex Primer prior to the application of Multiflex Water Based Epoxy Coating.

Application on Concrete

On dense concrete the coating may be thinned with water to ensure maximum adhesion to the substrate.

PACKAGING

5 Kg and 10Kg, Units

STORAGE & COVERAGE

Shelf Life: 12 months
Storage Temperature: 5°C - 35°C.
5Kg covers 25-30 m².

CLEANING

Multiflex Cleaning Solvent No2 should be used to clean tools. This should not be used to clean hands.

HEALTH & SAFETY

Please refer to our H/S Data sheet.

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