



## **Damp Floor EPOXY Sealer Kit & Clear Epoxy Primer**

### **DESCRIPTION**

Kingfisher “**Damp floor epoxy sealer kit**” is an epoxy - reinforced cement based flooring compound for concrete floors, which cures to a tough industrial grade finish and forms a tough damp proof membrane (DPM). The kit comprises: 1 x 25Kg bag “Self-levelling floor mortar”, 1 x 4L Epoxy resin, 1 x 1L Epoxy activator.

Companion / Related Products:

- Kingfisher “Clear Epoxy Primer” (4 Kg)

(Refer to individual product data sheets for detailed application guidance – published on our website [www.kingfisheruk.com](http://www.kingfisheruk.com))

The kit must ALWAYS be installed in conjunction with Kingfisher “Clear Epoxy Primer” which is sold separately\*.

*\*Note: The “Clear Epoxy Primer” is sold separately because the coverage rate is greater than the kit.*

*e.g. Typical project - floor size; 28 sq m, requires 4 x kits but only 1 x primer.*

### **USES**

“**Damp floor epoxy sealer kit**” is primarily used in building renovations e.g. barn conversions and restoration projects to repair and permanently waterproof concrete floors. It is also used in the repair of concrete floors in commercial and industrial premises.

- Forms a high integrity bonded DPM over existing concrete.
- Bonds even over damp patches.
- Fills and regularises concrete floors with indentations/ surface imperfections up to 5 mm.
- Provides an industrial grade wearable floor surface on previously degraded surfaces.

If in doubt, please call our technical services department on 01229 869 100 for guidance.

### **ADVANTAGES**

The major advantage of the Kingfisher “**Damp floor epoxy sealer kit**” is that in renovation and refurbishment works, existing concrete no longer needs to be lifted in order to install a functioning damp proof floor membrane (DPM). This results in significant time, cost and waste savings compared with breaking out old concrete to install new DPM / concrete.

- Eliminates the requirement to demolish/ remove damp concrete which is otherwise structurally sound.
- Quick and easy to install.
- No need to pour new concrete / DPM.
- Significant time saving, compared to breaking out old concrete.
- No concrete rubble to dispose of.
- Eliminates risk of secondary damage to walls, foundations etc. inherent in floor demolition.
- Proven track record of success in hundreds of projects.

### **SURFACE PREPARATION**

The surface to be treated must be sound, clean and free from oils, grease or contaminants. All loose particles and surface laitance must be removed (surface etching may be required). Dust removal is best achieved by vacuuming, NOT brushing. For large areas, grit blasting, high pressure water blasting or scabbling is recommended. On small areas, needle gunning or brush hammering can be effective. The strength of the substrate should be at least 20N/mm<sup>2</sup>. Substrates should be dry or if damp there should be no standing water.

**APPLICATION (EPOXY SEALER & PRIMER)**

Shake Part A (activator) briefly, then Pour into Part B (resin) and mix thoroughly for at least 1 minute, ideally with a power paddle. Apply the honey coloured primer mix by brush or roller onto the prepared surface, taking care to avoid puddling. Apply evenly but sparingly, to achieve coverage of 6 – 8 m<sup>2</sup> per litre. Note: Once you have added the activator (A) to the resin (B) you have initiated curing and the pot life will be approximately 1 to 2 hours, so do not delay application once mixed. Allow the primer to cure for around 12 hours, but not more than 36 hours.

**APPLICATION (DAMP FLOOR EPOXY SEALER KIT)**

Shake the Epoxy activator (Part A) briefly, then pour into the resin (Part B) and mix thoroughly for at least 1 minute, ideally with a power paddle. Pour this binder mixture into a suitable clean container (Capacity 30 litres), then slowly add the Self Levelling Membrane powder component whilst continuously mixing with a power driven paddle. Mix for at least 3 minutes. Note: The consistency needs to be adjusted by adding a small amount of clean water, (up to 3 litres.) to give satisfactory levelling properties. The addition of water does not affect the cured properties of the membrane. Application: Apply the finish using a steel trowel or spreader (rubber or metal) to obtain an even coverage. Immediately work with a spiked roller to ensure a uniform thickness, trowel mark free surface to remove entrapped air. For a non-slip surface, the freshly placed finish should be thoroughly blinded with a dry quartz sand (graded 0.4 - 0.7mm). Leave to cure.

**LIMITATIONS OF USE**

- All previous coatings or contamination must be removed at the preparation stage.
- During application. Maximum temperature of substrate: +22°C Minimum temperature of substrate: +8°C
- Maximum thickness of finish: - 4.0mm, Minimum thickness of finish: - 1.5mm
- Kingfisher “Damp floor epoxy sealer kit” should not be used to bridge “live” cracks joints etc.
- All active water seepage must be stopped.

**CLEAN UP**

Wash all equipment thoroughly in warm soapy water immediately after use and rinse.

**PRODUCT DATA**

|   |  |             |
|---|--|-------------|
| <b>Appearance</b>                                 | Cures to Light Grey                          |             |
| <b>Compressive Strength<br/>(30 days)</b>         | 35N / mm <sup>2</sup>                        |             |
| <b>Flexural Strength<br/>(30 days)</b>            | 8N / mm <sup>2</sup>                         |             |
| <b>Mixed Density<br/>(Approx.)</b>                | 2000 Kg / m <sup>3</sup>                     |             |
| <b>Coverage<br/>(Epoxy Sealer/Primer)</b>         | 8N / mm <sup>2</sup>                         |             |
| <b>Coverage<br/>(Damp Floor kit EPOXY mortar)</b> | 7.5 m <sup>2</sup> per kit. (2mm thickness). |             |
| <b>Curing Times @</b>                             | <b>10°C</b>                                  | <b>20°C</b> |
| Can be walked on after:                           | 24 hrs                                       | 15hrs       |
| Coatings can be applied after:                    | 3 days                                       | 1 day       |
| Light mechanical loads after:                     | 3 days                                       | 2 days      |
| Fully Cured after:                                | 14 days                                      | 7 days      |

|   |                  |
|---|------------------|
| <b>Minimum Thickness</b>                      | 1.5 mm           |
| <b>Maximum Thickness</b>                      | 4.5 mm           |
| <b>Min Surface Temp<br/>(for application)</b> | +8 °C            |
| <b>Max Surface Temp<br/>(for application)</b> | +22 °C           |
| <b>Service Temperature</b>                    | -10 °C to +40 °C |

### PACKAGING (Kit)

1 x "Self-levelling floor mortar" supplied in 25Kg bag with polythene sleeve.  
 1 x 4Kg Epoxy resin (tin)  
 1 x 1Kg Epoxy activator (tin)  
 TOTAL WEIGHT: 30 Kg

### PACKAGING (Primer)

1 x 3Kg Epoxy resin (tin)  
 1 x 1Kg Epoxy activator (tin)  
 TOTAL WEIGHT: 4 Kg

### STORAGE

Self-levelling floor mortar: Store in original unopened packaging in a cool dry place.  
 Epoxy resin and activator: Store in original unopened packaging in a cool dry place at a minimum temperature of 5°C.  
 Keep both out of reach of children. PROTECT FROM FROST.

### SHELF LIFE

The Epoxy components have a shelf life of 12 months when correctly stored.  
 The "self-levelling mortar" should be used within 6 months.

### HEALTH & SAFETY

- The materials must not be allowed to come into contact with food stuffs or food utensils.
- The powder component of this product should be treated as cement, therefore adequate ventilation of the mixing area is recommended.
- Wear a face mask and eye protection when mixing and applying the product.
- Wear protective gloves and overalls during preparation and application.
- Avoid contact with skin and eyes.
- If contact occurs wash immediately with plenty of water.
- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- Always dispose of empty packaging responsibly.
- Keep children and pets away from treated areas until fully cured.

Before using this product read the Material Safety Data Sheet which can be obtained at [www.kingfisheruk.com](http://www.kingfisheruk.com) or by calling the Kingfisher Technical Dept. Tel: 01229 869 100.

The information given in this product data sheet is given in good faith, based on current knowledge and experience. It relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate as of the date indicated. All recommendations are made without warranty or guarantee, as to accuracy, reliability or completeness since the conditions of use are beyond our control. It is the user's responsibility to satisfy themselves as to the suitability and application of such information for their own use.