

## **EPIGRIP**

### **Safety Flooring System**

#### **Description**

A two component resin extended epoxy high build coating characterised by its inbuilt flexibility, excellent adhesion and resistance to water and a wide range of chemicals. Epigrip provides a heavy duty slip resistant flooring system by the incorporation of an aggregate into the wet film, which will last for many years in both internal and external situations.

#### **Advantages**

- No primer required.
- Excellent bond strength.
- Good chemical and abrasion resistance.
- Inbuilt flexibility.

#### **Technical Information**

Colour:	Black
Mixing Ratio:	Only full packs
Pot Life at 20°C:	40 minutes
Pot Life at 7°C:	2 hours +
Full Cure:	7 days
Foot Traffic:	Min. 4 hours @ 20°C
Light Traffic:	Min. 12 hours @ 20°C
Full Traffic:	Min. 16 hours @ 20°C
S.G. at 20°C:	1.43
Minimum Application Temp:	7°C
Coverage (approx):	4 M <sup>2</sup> per 5 kg unit (not including Aggregate)

#### **Surface Preparation**

All surfaces should be clean, dry, free from oil, grease and chemical contamination. Oil and grease can be removed using Desolve. Concrete surfaces should be free from laitance which should be removed by either scarifying, wire brushing or preferably by high pressure water or sand blasting. Blow holes or other surface irregularities should be repaired using Nupatch Cosmetic or Epicon Fast Set Mortar. Concrete surfaces should be at least 21 days old. Should the strength or the surface stability of the concrete base be in doubt, then we recommend a trial patch of Epigrip be applied to assess its suitability.

It is recommended that concrete substrates should not have a moisture content of more than 75% RH. This can be assessed using a hair hygrometer covered with polythene for 24 hours as recommended by BS 8203.

#### **Mixing**

The entire contents of the hardener tin should be added to the base tin and slowly stirred until thoroughly mixed, taking care not to entrain air into the mix.

#### **Application Instructions**

Check Limitations before application.

Apply the Epigrip unthinned to the prepared surface using a serrated float or squeegee. The material should be applied at a thickness of approximately 1mm (i.e. 5 kg unit will cover 4 M<sup>2</sup>). While the Epigrip is still wet the surface should be broadcast with one of our range of non-slip aggregates at a rate to give the desired non-slip characteristics. All equipment should be cleaned with Nuwash immediately after use.

#### **Application Instructions as a combined waterproof - slip resistant membrane**

Apply the first coat of Epigrip resin membrane at 1mm thick, allow to cure for approximately 4-6 hours. Apply the second coat of Epigrip resin membrane and broadcast with slip resistant aggregate and allow to cure.

#### **Application Instructions to Steel**

Ensure the surface is prepared by grit blasting, surface must be dry and free from any contaminants as per surface preparation.

Apply a primer coat of mixed Epicon DSP ensuring it is evenly spread without leaving pinholes. Apply the mixed Epigrip after approximately 16 to 48 hours whilst the surface is still tacky.

### **Packaging**

Epigrip is available in 5 kg units. Larger units are available upon request.  
Slip Resistant Aggregate is available in 5 and 25 kg units.

### **Health & Safety**

Epigrip, like similar products, is capable of irritating unprotected sensitive skin, we therefore recommend the use of gloves.

### **Storage**

Epigrip should be stored at normal room temperatures. If stored in cold conditions the containers should be warmed prior to mixing. This will greatly aid the mixing and application procedure. Epigrip should be stored away from foodstuffs and out of the reach of children.

### **Limitations**

Do not apply at temperatures below 7°C.  
Application below 7°C can cause poor bond to the substrate.  
It is recommended that concrete substrates should not have a moisture content of more than 75% RH.  
Do not apply when rain is due as it may cause softening and discolouration of the surface.  
Epigrip can be applied to timber but we recommend the application is discussed with our Technical Department before approval.

### **Technical Support**

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.  
Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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