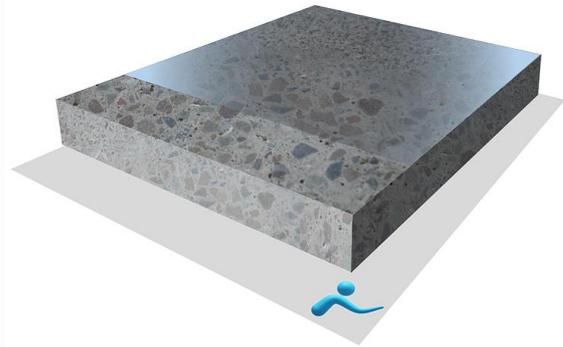




## BIF EP Primer-110

**BIF EP Primer-110** is a roller applied 2-pack epoxy resin flooring membrane that is tolerant of residual moisture in concrete floors. This enables earlier application of screeds, coatings and other floor coverings including carpets, tiles, vinyl and wood. Enables industrial resin flooring systems to be applied onto new concrete sooner than the normal time required for concrete to dry. Easily applied by brush, roller or trowel edge.

**BIF EP Primer-110** is principally designed to bond thin section resin based screeds and toppings to cementitious and other surfaces. It displays excellent adhesion onto concrete substrates and is effective for substrates with a RH Reading not exceeding 97% RH



<b>Thickness</b>	172-215 microns DFT
	5 kg will cover 23m <sup>2</sup> at 200 microns WFT
<b>Pot life</b>	20 minutes
<b>Overcoat Interval</b>	8 hours or once surface has lost tackiness
<b>Pedestrian Traffic</b>	18 - 24 hours
<b>Heavy Traffic</b>	48 hours
<b>Full Chemical Cure</b>	7 Days

### Preparation of Surfaces

**New Concrete Floors:** New concrete must be clean, sound, dry, fully cured and surface laitance removed by vacuum enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm<sup>2</sup> is required.

**Existing Concrete Floors:** Remove all dirt, oil, grease, old paint or any other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means. Local repairs should be carried out with **BIF EP Primer-100 resin** mixed with Kiln Dried Sand at a ratio of between 1:3 – 1:5 by weight.

Where the Relative Humidity of a substrate exceeds 75% RH BIF EP Primer-110 should be specified and selected on the basis of hygrometer readings in accordance with BS 8203. The number of coats to be applied is chosen in accordance with the following;

- 75-85% RH - 1coat at 200 microns
- 85-92% RH - 2 coats at 200 microns per coat
- 92-97% RH - 3coats at 200 microns per coat

### Health and Safety

**BIF EP Primer-110** is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets.

In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water. The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable.

### Application

The ambient temperatures of the areas should not be allowed to fall below 15C throughout the application and the curing period, as this could have an adverse effect on the appearance and colour of the system.

Surface temperature must be above 10C.

Where possible it is recommended that the application area is heated to a minimum temperature of 15C ideally to allow the ambient and substrate temperature to stabilise prior to installation.

### Mixing

Pre-mix the base component to a uniform consistency then mix the entire contents of the base with the hardener.

If a separate mixing bucket is being used for mixing ensuring all contents of both components are removed from the buckets supplied.

Mix using a slow speed electric mixer for approximately two to three minutes until the two components have fully combined. The mixed unit should be applied immediately by squeegee, roller or brush with a consistent procedure. Floor areas should be cross-rolled to ensure even application and to minimise roller marks.

Coverage rates may vary depending on profile and porosity of the substrate.

The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by BIF Services Limited is based on the information supplied by the purchaser & we cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. Site conditions may also contribute to variation in finish and colour.