



BC Poxy FC 145

Product Description:-

BC Poxy FC 145 is a solvent free system based on epoxy resins and curing agents specially selected for their ability to withstand chemical attack. The system consists of pre- weighed base, hardener.

The optional slip resistant texture is provided by the use of one of a range of BC Non-slip aggregates which have been carefully graded to ensure an even surface.

Technical Support:

BCI offers a comprehensive range of high performance, high quality construction products. BCI offers a technical support package to specifiers and contractors as well as technical advice from staff with unrivalled experience in the industry.

colours:

BC Poxy FC 145 is available in the following standard colours; Brick-red, White, Sage Green, Off White, Buff, Silver Grey, Dark Grey.

Technical Support:

BC Poxy FC 145 has been tested for resistance to a comprehensive range of industrial chemicals. The results below were obtained after constant immersion for 3 months at 20°C and 35°C. Samples were visually inspected and tested in accordance with ASTM D543.

Advantages:

- Hard wearing: Durable, low maintenance costs.
- Chemical resistant: Proven against a wide range of industrial chemicals.
- Solvent free: No odour during application.
- Slip resistant: Different textures available to suit conditions.
- Seamless: Liquid applied providing complete protection.
- Attractive: Available in wide range of colours to improve the working environment and identify slip hazard areas.
- Locally produced: Specially formulated for use in Middle East conditions.

Building Chemistry Industry

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USES:

BC Poxy FC 145 provides a slip resistant, hard wearing, chemical and abrasion resistant coating for floors and walls. It also provides a high build top coating to BC range of products.

It is suitable for use on floors and walls in food and beverage production areas, hygienic clean rooms, high density traffic warehouses, workshops, car production facilities, showrooms, pharmaceutical industries, and as a traffic deck protection system. It is ideally suited for use in wet areas where a high degree of chemical resistance is required e.g. dairies, soft drinks production, chemical manufacture etc.

Old concrete floors/walls:

Where deep seated contamination has occurred mechanical methods such as grit blasting, diamond grinding or scabbling should be used to provide a suitable clean surface. Any necessary repairs should be carried out using BC repair 100 BC mortar 5000 or BC Putty 2000 (see separate data sheets).

Priming:

Priming is not normally required provided the substrate is sound, untreated (no curing compound) and good quality non porous concrete. However, if concrete surface is porous, or w/c ratio is >0.5 it is recommended to use BC Epoxy primer 349.

BC primer 349 should be mixed in the proportions supplied. Add the entire contents of the hardener can to the base can. When thoroughly mixed, preferably using a slow speed drill and paddle, the primer should be applied in a thin, continuous film using rollers or stiff brushes. Work the primer well into the surface of the concrete taking care to avoid ponding or over application. The primer should be left to achieve a tack-free condition before applying the top coat.



PROPERTIES:

Ambient Temperature:

@ 20°C @30°C

Pot life:

40 min. 20 min.

Cure time:

24 hrs 18 hrs

Maximum time between coats:

36 hrs 15 hrs

Light traffic use after:

24 hrs 18 hrs

Full traffic use after:

48 hrs 24 hrs

Resistant to chemical spillage:

7 days 5 day

Mixed Specific Gravity:

1.63 ±0.05

Compressive strength:*

70 N/mm²

Flexural strength:*

40 N/mm²

Tensile strength:*

20 N/mm²

Volume of Solids:

100%

Impact Resistance (ASTM D 2794: 1996):

9.85 Joules

Surface Hardness (ASTM D 2240 :1996):

85 Shore D

Abrasion Resistance (ASTM D 4060: 1996):

50 mg/1000 cycles (CS-10)



Health and safety:

BC Poxy FC 145 Base and Hardener, BC primer 349 and BCI Solvent 102 should not come in contact with skin and eyes or be swallowed. Avoid prolonged inhalation of solvent vapours.

Some people are sensitive to epoxy resins, hardeners and solvents. Gloves, goggles and barrier creams, such as Kerodex Anti-solvent and Rozalex Anti-paint, should be used. Ensure adequate ventilation, and if working in enclosed areas use suitable breathing apparatus.

Should accidental eye contamination occur, plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting.

Fire:

BCI Solvent 102 is flammable. Do not expose to naked flames or other sources of ignition. No Smoking. Containers should be tightly sealed when not in use. In the event of fire extinguish with CO2 or foam.

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Flash Points:

BCIprime 31 is not flammable.

