Description
RFC Chemical Guard Epoxy Resin Coating is a two-component virtually solvent free epoxy resin coating offering excellent abrasion and chemical resistance. **RFC Chemical Guard Epoxy Resin Coating** provides a tough, hard wearing coating for heavily trafficked areas.

Appearance
Gloss finish in a range of attractive colours.

Typical Uses
For areas requiring an easy to clean, tough and durable coating with excellent chemical resistance such as warehouses, factories, workshops, showrooms and packing and storage areas.

Features & Benefits
- Protects concrete from oil and chemical spillages
- High build with excellent wear resistance
- Virtually solvent free
- Gloss, easy to clean finish
- Non-dusting

Suitable Substrates
Thoroughly prepared concrete, timber and steel.

Pack Size
5 kg unit comprising a tin of resin and a tin of hardener

Cure Schedule at 20 ºC
Working life of full packs * 25 minutes
* Usable working life of material following mixing and immediate spreading as per the application instructions.

Finished floor *

Over coating time	16 - 36 hours
Cure time to light pedestrian traffic	24 hours
Full chemical and water resistance	7 days

The floor should be protected from contact with water for at least 7 days.

* The above cure times are approximate and given as a guide only. These times can vary due to prevailing site conditions. At lower temperatures curing times will be extended. If the over coating interval of 36 hours is extended, the first coat should

be abraded to ensure inter-coat adhesion.

Coverage
The coverage rate will vary depending on the texture and porosity of the substrate, film thickness and application technique. Two coats are usually required. Surfaces of higher than normal porosity may require further coats.

As a guide, a medium quality substrate may achieve 25 m^2 from a 5 kg unit per coat when applied by roller.

Colours Available*
Available in a selection of standard colours. A large selection of BS 48000 or RAL colours are available upon request.

* **RFC Chemical Guard Epoxy Resin Coating** is not 100% colour fast and may yellow over time. The rate of change will depend on UV light and heat levels and cannot be predicted. This will be more pronounced with lighter colours and blue shades and does not compromise the product's performance or chemical resistance characteristics.

Application Conditions
Do not apply outside of the range 10 °C to 25 °C. Localised heating or cooling equipment may be required outside this range to achieve ideal temperature conditions. To reduce the risk of "blooming" caused by condensation, the climate above the uncured floor should be maintained at least 3 °C above the dew point for at least 48 hours after application. The atmospheric relative humidity should be below 70% and good ventilation should be provided to aid the removal of water and maintain curing times.

Surface Preparation
Concrete
Concrete substrates must be a minimum of 28 days old, dry, clean and free of surface laitance and contaminants such as dirt, oil, grease, poorly bonded coatings and surface treatments. Inadequate preparation will lead to loss of adhesion and failure. In coatings, there is a tendency for the finish to mirror imperfections in the substrate. Grinding, or light vacuum-contained shot-blasting is therefore preferred over planing for these systems. Concrete must include a functional damp-proof membrane.

Previously Painted Surfaces
Previously painted surfaces should be mechanically abraded to remove loosely bonded material and improve adhesion. A trial area is advised to test compatibility with previous coatings.