

CHEMFLOOR™ FK200

High Solids Epoxy Flooring System

Product Description

CHEMFLOOR™ FK200 system is a premium quality, multi-purpose, high solids, two-pack epoxy flooring system.

Product Uses

CHEMFLOOR™ FK200 epoxy flooring system is ideal for floor or wall applications in car parking stations, pharmaceutical plants, showrooms, food process plants, sewage and water treatment plants, abattoirs, dairies, commercial kitchens, workshops etc. Specific applications include:

- bund lining as secondary containment for chemicals or solvent
- chemically resistant, hardwearing surface sealer to factory floors, plant rooms and general storage areas
- total vapour barrier on concrete floors to prevent moisture vapour damage to floor finishes

CHEMFLOOR™ FK200 is a unique, multi-use, two-component, epoxy resin system, applied as a smooth or slip resistant surface to provide hygienic, chemically resistant, hard wearing coatings and flooring finishes. CHEMFLOOR™ FK200 can be used as:

- A high build coating (minimum 150 – 200 microns per coat, or 5 m² per litre)
- A seamless flooring system

Features

CHEMFLOOR™ FK200 has a number of unique features and product qualities including:

- Easy to maintain, seamless, hygienic
- Easy to apply and fast curing
- Excellent chemical and solvent resistance
- Excellent abrasion resistance
- Available in normal and fast cure
- Smooth and slip resistant finishes
- Multi-purpose roll-on or high build

NOTE: GCP offers a comprehensive range of quality CHEMFLOOR™ epoxy systems, providing a wide range of finishes for various applications. Epoxy flooring systems can be designed to meet wide ranging service requirements in combination with its construction waterproofing and decorative coatings. Please Contact your local GCP Representative for selection and specification advice as well as for contact details of specialist applicators in your area.

Typical Properties

Colour	Colour or Neutral
S.G.	1.25 g/ml
Mix Ratio (by volume)	Part A : Part B 3 : 1
Compressive Strength	n/a
Flexural Strength	Not relevant
Pull Off Strength	> 3 MPa
Pot Life	30 min. @ 20 °C (4 litre mix)

Preparation

Surfaces must be sound, smooth, dry and free from dust, loose matter, oil, grease or other contaminants. Make good all surface defects.

Smooth concrete surfaces should be mechanically prepared by grinding, track blasted or scabbling. Concrete should be cured for a minimum of 28 days and have a moisture content of 5% or less. Moisture testing of concrete prior to installation is recommended.

Resurfacing of old epoxy floors or re-coating of CHEMFLOOR™ FK200 after several days cure will require thorough mechanical abrasion of the surface to ensure good adhesion.

Application

Mixing

Measure CHEMFLOOR™ Part A and Part B accurately by volume into a clean container and mix thoroughly with an electric stirrer (600 rpm). Allow to stand for 5 minutes before use. The preferred material mixing and application temperature is 15 °C–20 °C.

Roll-On Flooring

Apply 2 coats CHEMFLOOR™ FK200 at 4 – 6m²/litre per coat. Total coverage can vary depending on desired DFT. Broadcast silica sand into first coat of wet CHEMFLOOR™ FK200 to give required slip resistant finish. Mesh size of sand can increase quantity of CHEMFLOOR™ needed to achieve desired finish.

Damp or “green” Concrete

Use EPOCOTE™ F100W Clear 6m²/litre on minimum 3 day cure or damp concrete surfaces.

Colours

CHEMFLOOR™ Clear or Neutral grades can be readily coloured by the addition of epoxy pigments. Do NOT use polyester pigments. Check with your GCP Representative if not using a GCP colour pack.

NOTE:

- High atmospheric humidity or severe drop in temperature may result in changes to the surface appearance.
- Ensure adequate ventilation of work area and use protective equipment as detailed in product MSDS.

Packaging

CHEMFLOOR™ FK200 packed in 16 lit sets comprising Part A 12 litres and Part B 4 litres.

Shelf Life

Unopened containers have 12-month shelf life from date of manufacture, when stored in a dry, cool place.

Clean-up

Remove any uncured CHEMFLOOR™ with MULTITEK™ Xylene. Exercise care when using solvents. Please review MSDS before use.

Health and Safety

In case of spills and accidents, refer to the Material Safety Data Sheet (MSDS) of the products or when in doubt contact your local GCP representative. Always wear protective clothing, gloves and protective goggles when handling chemical products. For full information, consult the relevant MSDS.

Limitations

Information contained in this document does not cover all possible application scenarios or imply product suitability for an application. Please contact your local GCP representative or the GCP Technical Department for further information.

Warranties

GCP and contractors recognised by GCP as experienced in the application of GCP products will provide warranties for individual projects. Warranty periods offered are dependent on project details and complexity. Requests for very long warranty periods may necessitate increased membrane thicknesses to ensure longevity. Contact your local GCP representative for further details.



Release Date: 02/11/18. The information contained in this product data sheet supersedes all previous versions.

gcpat.com.au | For technical information: anz.enq@gcpat.com

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GCP Applied Technologies Inc., 2325 Lakeview Parkway, Alpharetta, GA 30009, USA

GCP Australia Pty. Ltd., 14 Colebard Street West, Archerfield, Brisbane, Queensland 4108, Australia

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