

CHEMFLOOR™ 100

Solvent Free Epoxy Coating

Product Description

CHEMFLOOR™ 100 is a premium quality, multi-purpose, 100% solids, two-pack solventless epoxy system.

Features

CHEMFLOOR™ 100 is suited to a wide variety of applications having the following qualities:

- Food grade AQIS approval & no VOC
- Easy to maintain & dustless
- Multi-Purpose, Seamless & hygienic

CHEMFLOOR™ 100 is a specially formulated low viscosity, two-component epoxy resin system used as a coating or primer to facilitate adhesion of all CHEMFLOOR™ systems to most substrates. It is also used as:

- A chemically resistant, hardwearing clear surface sealer to floors, plant rooms and storage areas.
- A total vapour barrier on concrete floors to prevent moisture vapour damage to timber or sheet vinyl floor finishes.
- A binder used to produce an epoxy mortar made by addition of clean dry aggregates or fillers and used for the repair of defective substrates.

Product Uses

CHEMFLOOR™ 100 epoxy system is ideal for flooring applications to showrooms, basement car-parks, plant rooms, factories, workshops and in pharmaceutical and food processing, water or sewage treatment, etc. It is also used as a multi-purpose binder and surface adhesion promoter.

Preparation

Surfaces must be sound, smooth, and free from dust, oil, grease or other contaminants. Grind or chip off from the concrete surfaces all projections greater than 1.5mm. Remove any loose concrete, then clean and fill holes, cracks and other surface defects with GCP's Super-bond paste or other GCP approved products.

Non-porous, dense concrete should be mechanically abraded.

Concrete should be cured for minimum 28 days and have a moisture content of 5% or less. Moisture testing of concrete prior to installation is recommended

Application

Measure components carefully and mix totally with an electric stirrer. Allow to stand 5 min before use. Preferred mixing and application temp is 15°C–20°C. Apply in two coats by roller or brush. Total coverage should be approximately 0.2–0.3 litres/m².

Packaging

CHEMFLOOR™ 100 is packed, Part A in 20 litre pails and Part B in 10 litre pails.

Typical Properties

PROPERTY	CHEMFLOOR™ 100
Colour	Clear
S.G.	1.1 g/ml
Mix Ratio (volume)	Part A : Part B 2 : 1
Viscosity @ 20°C (mPa.s)	Part A 1400–1800 Part B 50–150
Compressive Strength	85 MPa
Flexural Strength	60 MPa @ 14 days 20°C
Pull Off Strength	> 3 MPa
Pot Life	30 min. @ 20°C (4 litre mix)

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.

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