

# EPOCOTE™ F100W HD

Water-Based Epoxy Coating System

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## Product Description

EPOCOTE™ F100W HD system is a unique premium quality, low VOC, tough, water based multi-purpose, two-pack epoxy flooring and coating system with exceptional physical characteristics.

## Product Uses

EPOCOTE™ F100W HD water based epoxy system is ideal for floor or wall applications in car parking stations, plant rooms, showrooms, food process plants, workshops etc.

Specific applications include:

- 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

EPOCOTE™ F100W HD 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. It can be used as:

- A low build (0.1 mm minimum), roll-on flooring that can be left as a smooth finish on floors and walls or made non-slip for floors.
- A base coat for seamless flooring systems.

## NOTE

GCP offers a comprehensive range of quality epoxy systems, providing a wide range of finishes for various applications. GCP epoxy flooring systems can be designed to meet wide ranging service requirements in combination with its construction waterproofing and decorative coatings.

Contact your local GCP Representative for selection and specification advice as well as for contact details of specialist applicators in your area.

## Features

EPOCOTE™ F100W HD has a number of unique features and product qualities including:

- May be applied to slightly damp concrete
- Has physical properties that are vastly superior to traditional water based epoxies and similar to the conventional bisphenol based epoxies.
- Easy to maintain, seamless, hygienic
- Easy to apply and fast drying
- Excellent chemical and solvent resistance

- Excellent abrasion resistance
- Smooth and slip resistant finishes
- Multi-purpose – gloss, satin or non-slip roll-on

## Technical Data

PROPERTY	VALUE
VOC	<10.0g/litre
Mix Ratio (volume)	3:1
Base : Activator	
Solids Content	60% (approx)
Pot Life @ 20 °C	1 hour
Tack Free Time	8 hrs @ 20 °C
Application Humidity	70% RH or below
Application Temperature	10 °C to 35 °C
Maximum Recoat Time	16 - 20 hrs @ 20 °C

## Preparation

Surfaces must be sound, smooth, and free from dust, oil, grease or other contaminants. Repair defects.

Non-porous, dense concrete should be etched with diluted phosphoric acid and flushed clean with water or otherwise mechanically abraded.

Concrete should be cured for minimum 14 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 EPOCOTE™ F100W HD after recoat window will require thorough mechanical abrasion of the surface to ensure good adhesion.

## Application

### Mixing

For pre-portioned kits, add the Activator (smaller volume) into the Base container (never in the reverse order) – use low speed electrical mixer to blend to a uniform, creamy emulsion. For part kit use – confirm mix ratio then measure the required quantity Epocote F100W HD Base carefully into a clean container large enough to allow mixing. Measure required amount of Activator accurately, add it to the Base and mix carefully.

## Water Addition

After mixing together Base (6 litres) and Activator (2 litres), up to 2 litres of clean water may be added to achieve desired application consistency. Over thinning or adding water before Base and Activator are fully mixed will result in poorly cured film and diminished physical properties.

## Roll-On Application

EPOCOTE™ F100W HD mixed and diluted as above, should be applied in two coats by roller or brush. Total coverage should be approx 3 m<sup>2</sup>/litre.

## Non-Slip Flooring

Broadcast silica sand into first coat of wet EPOCOTE™ F100W HD to give the required slip resistant finish. Allow to dry overnight before removing any surplus sand and applying the final coat. Mesh size of sand can increase quantity of EPOCOTE™ F100W HD needed to achieve desired finish.

## Colours

EPOCOTE™ F100W HD is available in a standard mid-grey colour. Check with your local GCP representative for any specific requirements.

### NOTE

- Protect from condensation and water for at least one week at 20 °C. Protect from chemical exposure for 14 days.
- High humidity or a severe temperature drop may cause changes to surface appearance of freshly applied product.
- Remove chemical spills immediately, scrub the surface and allow floor to dry completely

## Packaging

EPOCOTE™ F100W HD is packed in an 8 litre (8L) set, consisting of 6 litres (6L) of Base and 2 litres (2L) of Activator.

## 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 Epocote F100W HD with water or partially cured product with MULTITEK™ Xylene. Exercise care when using solvents. Please review SDS before use.

## Health and Safety

In case of spills and accidents, refer to the Safety Data Sheet (SDS) 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 SDS.

## 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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Printed in Australia GCP PDS 044 07/17

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Last Updated: 2025-06-23

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