

EPINAMEL® CF720

P32.04

Description

- A two pack water based epoxy coating for concrete flooring applications in areas such as garages, commercial premises, warehouses and workshop concrete floors.

Product Characteristics

- Excellent adhesion to concrete
- Hard wearing
- Resistant to vehicular traffic and hot tyre pick up
- Resistant to splash and spillage of general motor vehicle fluids, dilute acids, most alkalis, hydrocarbon solvents and water
- Excellent abrasion and impact resistance
- Low odour, low VOC

Colours and Gloss

- Neutral Grey – gloss and satin.
- Tintable to a select range of popular flooring colours

Recommended Film Thickness (Per Coat)

	Typical
Dry film thickness (µm)	50
Wet film thickness (µm)	125
Theoretical spreading rate (m ² /l)	8

Basic Data at 25°C

Solids content approx.	40% by volume
Mix ratio	5A:1B by volume
Touch dry after	16 hours
Full cure	7 days
Overcoating interval (minimum)	16 hours
Overcoating interval (maximum)	2 weeks
Light foot traffic	24 hours
Pot Life	90 minutes

Surface Preparation

CONCRETE

- Must be free from bond breakers, curing agents or any other contaminants that may interfere with adhesion.
- Ensure all new concrete is fully cured prior to coating. Typically this may take a minimum of 4-6 weeks.
- Moisture content of concrete should be max. 4%.
- It is highly recommended to acid etch, diamond grind or shot blast new concrete and smooth concrete surfaces to enhance adhesion.
- Aged concrete will generally only require acid etching if it is smooth finished.
- Remove all dust, dirt and loose material with a stiff bristled broom and vacuum clean.

- Exposed aggregate in worn concrete surfaces, is likely to cause paint to wear prematurely, particularly in drive-on applications

PREVIOUSLY COATED CONCRETE FLOORS

- Adhesion of the existing coating should be checked to ensure it is sound and firmly adhered to the substrate. Surface to be coated must be dry and free from contamination and any loose or flaking paint. Abrade existing coating to remove gloss to ensure adequate adhesion.

ALL SURFACES

- Surfaces to be coated must be thoroughly clean and free of all dirt, grease, oil, previous vehicular tyre contaminants or other surface contaminants. Oil and grease should be removed from all surfaces in accordance with AS 1627.1 solvent cleaning.
- Substrate temperature must be above 10°C and below 35°C during surface preparation, application and curing; and at least 3°C above dew point.
- Relative humidity should not exceed 85%.
- Note: this product is not suitable for waterproofing applications, or to withstand hydrostatic pressure
- Do not apply to concrete where a silicate hardener has been applied

Application Instructions

- Mixing ratio by volume: 5A:1B.
- Mix Epinamel CF720 Part A with Epinamel CF720 Part B only.
- Induction time – none.
- Pot life at 25°C – 90 minutes. Do not use after this time even if the mix is still liquid.
- Mix Part A with a clean power mixer to give a uniform consistency and ensure Part B has a uniform consistency before combining Parts A and B together.
- Add Part B to the Part A and mix thoroughly with a power mixer for 3 minutes to ensure the product has a uniform consistency
- The temperature of the mixed product must be above 15°C, otherwise extra water may be required to obtain application viscosity.
- Too much thinner will result in lower sag resistance and slower cure.
- the addition of more than 10% water will result in slower cure, reduced film build and poor performance
- Do not thin until after components are thoroughly mixed together
- Apply two full even coats, a third coat may be required for uneven or porous surfaces.
- Freshly catalysed material should not be added to product that has been mixed for some time.
- Wattyl recommends the use of coating inspection reports in compliance with AS/NZS 3894.10,11,12 refer to Information Sheet I-20 for more information.
- For recommendations outside those contained in this data sheet, refer to Wattyl.

EPINAMEL[®] CF720

P32.04

Application Methods

	AIR SPRAY	BRUSH/ROLLER
Recommended thinner	Water	Water
Volume of thinner	0-10%	0-10%

CLEANING SOLVENT

Water
(Part A & mixed product)

Thinner L760
(Part B)

Safety Precautions

- Avoid contact with skin and eyes.
- Use gloves, mask and goggles during application.
- Provide adequate ventilation when using in confined spaces.
- This product is intended for use in industrial situations by professional applicators in accordance with the advice given on this sheet. All work involving the use and application of this product should be carried out in compliance with all relevant Health, Safety & Environmental standards and regulations and must not be used without reference to the safety data sheet (SDS).

Additional Data

CURING PERIOD

- Avoid moving objects or driving over the surface during the curing period.
- Drying and curing times will be longer at lower temperatures and higher humidity.

VOC CONTENT

- Less than 80g/litre untinted or when tinted with Wattyl Ecotint.
- VOC (Volatile Organic Compounds). Calculations are based on APAS definition and are in accordance with Green Building Council requirements.
- Green Building Council standard for the maximum VOC level in one and two pack high performance coatings for floors is 140g/litre.

Precautions

- Less than 80g/litre untinted or when tinted with Wattyl Ecotint.
- This product may chalk or discolour on exterior exposure however it does not detract from its performance.
- Smooth surfaces coated with this product may become slippery when wet. For improved resistance to slipping, add an anti-slip texture additive to the coating, following the usage instructions on the label.
- This product has a maximum on-tinting loading of 30 units per litre of Wattyl Ecotint colourants. Higher loadings will retard curing.

Storage and Packaging

- Shelf life at least 12 months.
- All components shall be stored in a dry internal environment at between 5°C and 35°C.
- Packaging:
12 litre kit (10 litre Part A, 2 litre Part B)
4 litre kit (3.3 litre Part A, 670ml Part B)
- Product line:
Part A Gloss 203509
Part A Satin 203609
Part B 203579

For the most up to date information, please visit our website at www.wattylpc.com.au, or contact us at Australia 132 101 (Australia) 0800 825 7727 (New Zealand).

1. This information, provided by Hempel (Wattyl) Australia Pty Ltd is important to ensure that the listed product(s) perform according to the stated application and uses and must be followed to meet Wattyl's warranties express and implied. Wattyl advises that you (a) review the Product Data Sheets (PDS) and Safety Data Sheets (SDS) before you use or handle the product; (b) ensure that the product be used only in accordance with the information provided by Wattyl and the product(s) be transported, stored and handled in accordance with the information on the SDS and relevant PDS; and (c) thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product.
2. The information in this PDS was prepared using information gathered during product development. While Wattyl endeavours to update this information and maintain the accuracy and currency of its contents, Wattyl does not warrant that the information provided is current when the product is used or is wholly comprehensive.
3. For all product and non-product related information, Wattyl recommends that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact your nearest Wattyl office before using the product(s).
4. To the full extent permitted by law, Wattyl's liability for breach of a condition or warranty implied into the contract for sale between Wattyl and you by law is limited at Wattyl's election to: (a) the replacement of the product; or (b) payment of the cost of replacing the product. If coating rectification is required Wattyl's Technical Services shall be contacted prior to commencement. Trademarks are the property of Hempel (Wattyl) Australia Pty Ltd. (ABN 40 000 035 914)

Wattyl Protective Coatings is part of the Hempel Group, a world leading supplier of trusted coating solutions. Hempel is a global company with strong values, working with customers in the decorative, marine, infrastructure and energy industries. Our purpose is to shape a brighter future with sustainable coating solutions, and with more than 100 years of protecting some of our customer's most valuable assets, we aim to earn their trust every day. The Hempel Group is proudly owned by the Hempel Foundation.