

DESCRIPTION

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

PRINCIPAL 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

- AS 2700 N23 Neutral Grey
- Tintable to a select range of popular flooring colours
- Sheen levels- Gloss, Satin

RECOMMENDED FILM THICKNESS (PER COAT)

	Typical
Dry film thickness (microns)	50
Wet film thickness (microns)	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 6 hours
- overcoating interval (minimum).. 16 hours
(maximum) . 2 weeks
- light foot traffic 24 hours
- full cure 7 days
- 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
- potlife 90 minutes
- VOC content: less than 80g/litre untinted or when tinted with Watty! 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.

SURFACE PREPARATION

CONCRETE

- must be structurally sound and free from bond breakers, curing agents, previous vehicular tyre contaminants 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%
- All Bare concrete: 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 Epiname! CF720 Part A with Epiname! 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
- 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
- drying and curing times will be longer at lower temperatures and higher humidity
- Valspar 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 Valspar

APPLICATION METHODS

- **AIR SPRAY**
 - recommended thinnerwater
 - volume of thinnerup to 10% (refer below)
- **BRUSH/ROLLER**
 - recommended thinnerwater
 - volume of thinnerup to 10% refer below
- **RECOMMENDED THINNING**
 - When using EpinameL CF720 as a primer, thin the first coat with up to 10% water to assist penetration into the substrate. Thinning of subsequent coats is generally not required; however they may be thinned with up to 5% water to assist application.
- **CLEANING SOLVENT**
 - Part A and mixed product clean up with water
 - Part B can be cleaned with Thinner L760

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 Material Safety Data Sheet (MSDS)

PRECAUTIONS

- 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 12litre 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



Quality
ISO 9001

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Wattyl's research and development facilities are accredited for technical competence with the National Association of Tests Authorities, Australia (NATA) and comply with the requirements of ISO/IEC 17025:2005. Accreditation No.104 (Footscray), 1154 (Glendenning) and 931 (Kilburn).



For the most up to date information contact Valspar Customer Service Hotline or visit the Wattyl Website.

CUSTOMER SERVICE HOTLINE	Australia	New Zealand
WEBSITE	132 101	0800 735 551
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