

# FLEXCO FLOORCOAT EPOXY FLOOR COATING

Eliminates hot tyre pickup for Aircraft Hangars and Garages, etc  
Anti slip floors to AS/NZS 3661.1P:1993 and waterblast safe

## Description

**FLEXCO FLOORCOAT** is a 100% epoxy, 2-component system formulated for the protection of concrete floors. Good abrasion resistance contributes to a long service life in heavy traffic areas. Can be tinted in a range of attractive pastel and midtone colours. Suitable for low odour application in food grade areas. A resilient surface ensures easy cleaning with no fungal attack.

**ANTI SLIP FLOORS** When applied as per the procedure outlined in the "Application" data sheet, In lieu of the smooth top coat, a nonslip coating to attain or exceed AS/NZS 3661.1P:1993 coefficient of friction – wet, "0.40", is achievable.

## Use On

- Commercial showroom and warehouse floors.
- Easily cleaned office or production flooring. In industrial sites concerned with pulp and paper, wool scouring, automotive, chemical, oil, food, wine and beverage, abattoirs, sewerage treatment, light engineering.
- Hospitals and veterinaries.
- Home garages with concrete floors.
- Vessel steel floor passageways, interior decks, engine-room floors, hold floors and aircraft hangar floors.

## Food Hygiene Areas

Meets the requirements of G3.3.2 Spaces for food preparation and utensil washing, which states:

- (a) Interior linings and work surfaces shall be impervious and easily cleaned
- (b) All building elements constructed with materials which are free from hazardous substances which could cause contamination to the building contents.

## Appearance

Gloss white and standard mid grey. White is tintable. Available in a large range of pastel and mid base colours. A tinting charge applies. Not recommended for exterior use unless some surface chalking is acceptable. Chalking will not affect the physical or chemical resistance.

## Chemical Resistance

Good splash resistance to most acids, alkalis and solvents, but may discolour. Excellent to mineral and vegetable oils and foodstuffs. Good to wines and beverages.

## Components

Three. 2 litres of Resin and 2 litres of hardener + 1 litre of solvent.

## Mixing ratio:

resin      hardener  
100    :    100    by volume. 1 parts resin to 1 part hardener by volume. Correct ratio must be used. NEVER overdose the resin with extra hardener. Varying will decrease cured properties usually evidenced by a greasy surface and soft film that lifts easily. This is an operator error, not a problem with the paint! Add up to 20% solvent in first coat for ease of application, except when coating Food Hygiene Areas.

## Pot Life

100 gm mass at 18oC 15 - 20 minutes. A polymerising visible end of pot life is preceded by the mix thickening to an unusable gel. A normal occurrence for 2-component systems. Use small amounts (1 - 2 litres) regularly as a large mass, left to stand, will prematurely gel.

## Cure

When mixed and applied correctly, Flexco Floorcoat will cure overnight at ambient temperatures. Light traffic may use the area after 24 hours when the temperature is above twelve degrees Celsius (10°C). Use forced hot air heating if necessary.  
@ 20°C    recoat      :    10 - 12 hours. (overnight)

reinstatement      :    24 hours.

fully cured            :    4 - 5 days.

## Primer

There is no need for a separate primer as Flexco Floorcoat is self priming on clean, sound floors. Surface tolerant. Floorcoat will coat most substrates, concrete, wood, previous paint, even old linoleum, as long as it is clean and sound.

## Coverage

8 - 10 sq.m /litre. First coat onto concrete will have higher litre rate because of absorption.

## Flexco (NZ) Ltd

67 Dalgety Drive, Manukau City, P: 0064 9 2686970, F: 0064 9 2686971, E: info@flexco-nz.co.nz  
P O Box 98866 South Auckland Mail Centre, Manukau City, New Zealand



**FLEXCO (N.Z.) LTD**

SOLVING TOMORROWS BUILDING PROBLEMS - TODAY

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## Preparation

It is essential that the substrate is sound and clean. The adhesive performance of the epoxy will be affected on a poorly prepared surface. Vacuum or sweep the substrate to remove all laitance or loose material. Degrease if necessary with a detergent. Rinse thoroughly. Allow to dry.

## New Concrete Floors

The concrete should be allowed to cure for 28 days. Curing compounds and sealers must be removed from the surface. Etch the surface with dilute hydrochloric acid. Repair damage and fill joints with Epoxypatch.

## Previously Painted Concrete Floors

Sand off unsound paint. If the floor is damaged, repair with Epoxypatch. Degrease if necessary with a detergent. Rinse thoroughly. Allow to dry.

## Tiles

Ensure all grouting is sound. Reinstall if appropriate. Rinse and/or vacuum. Ceramic glazes on kiln fired tiles must be sweep blasted to allow Flexco Floorcoat to adhere.

## Steel

Degrease. Rinse off. Abrasive blast clean with clean silica sand to AS1627.4 to remove all mill scale and rust. If blast cleaning is not practical, use mechanical cleaning, e.g. disc grinding, scrubbing, needle gunning or wire brushing. Coat immediately with Inorganic Zinc Primer, as the rust barrier.

## Applications

Good splash resistance to most acids, alkalis and solvents, but may discolour. Excellent to mineral and vegetable oils and foodstuffs. Good to wines and beverages. Stir the resin and hardener parts thoroughly before combining. Add the two components at the correct ratio into a clean dry container. Power stir thoroughly until completely combined. Cut in along walls, etc., with small paint brush. 50-60mm flat pigs bristle disposable available from hardware. Use a 6-10mm "Dacron" paint roller to apply. Work paint in well. First coat doesn't have to be thick coat. Work quickly as paint will gel after 25-30 minutes. Pour thin line of paint one metre out from back wall and roll out, working backwards. Recommended two person job. One cutting in. Second coat needs to be applied within 24 hours, preferably 12-24hrs. If left longer rough sanding and wiping with a solvent will be necessary. IMPORTANT: Do not add solvent to first coat when coating Food Hygiene Areas.

## General

In hot and dry conditions use smaller mixes more often. Do not add a new mixture into one that is gelling as they will both polymerise. Flexco Floorcoat is a technical product, generally for trade purposes. Care must be exercised in its use.

## DO NOT

Apply in extreme cold and damp conditions; temperature below 8°C, and relative humidity of +85%.

## Clean Up

Use Epoxy Solvent, available from hardware store, for clean up. Wrap and dispose brushes and rollers. Use disposable containers and spatula.

## Storage

Do not store near boilers or other sources of heat.  
Do not store in direct sunlight.

## Packaging

2L resin + 2L hardener + 1L solvent = 5.0 litre pack  
2 x 5 litre packs are required for a double garage floor for the recommended 2 coats, paint finish.  
6L resin + 6L hardener + 3L solvent = 15.0 litre trade pack

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