

# FLAKE-IT TILL YOU MAKE IT FLOORING



## CLEAR TOPCOAT

### DESCRIPTION

A robust and durable two-component solvent-based polyurethane clear topcoat. The cured film not only delivers an aesthetically pleasing surface but also boasts resilience against movement and is effortlessly easy to clean. Perfect finishing coat for your Flake-It Flooring system.

### APPLICATION AREAS

Clear and tough for areas of light traffic and non-aggressive chemical cleaning. It is the ideal product for the DIY enthusiast who would like to give their garage floor or any other floor in their home new life.

### PRODUCT ADVANTAGES

- Bonds well to existing substrates
- Crystal clear
- Easy application
- Easy to clean
- Durable

### PACKAGING & COVERAGE

- 3 L kit consisting of Part A and Part B.
- 6 to 11 m<sup>2</sup>/litre/coat.
- Clear topcoat for Flake-it flooring system, 1 or 2 coats dependant on finish required.

**NOTE:** Coverage rates shown are theoretical. Actual coverage rates may vary. Make necessary allowances for the condition of the surface to be coated, working conditions, waste, spillage, experience level and skill of the installers, etc.

### TECHNICAL INFORMATION

Generic	Solvent-based aliphatic polyurethane
Finish	Semi-gloss
Volume Solids	38% - 42%
Components	Two
Mix Ratio	7:1 (A:B)
Pot Life	4 Hours
Apply Over	Flake-it flooring basecoat
Curing Time	12 Hours recoat 48 Hours service 7 Days full cure
Application Temperature	15°C - 35°C
Dew Point	Substrate to be 2°C above dew point
VOC Content	572g/L
Thinner	Thinner #25

## CLEAR TOPCOAT

### SUBSTRATE PREPARATION

- Ensure any loose flakes are swept off the Flake-it flooring basecoat and ensure surface is clean before applying the topcoat.
- Ensure to paint the topcoat on within the basecoats recoat window.

### COATING

- Apply a coat of Flake-it flooring topcoat using a medium nap roller.
- Work in 1 m<sup>2</sup> sections applying the coating over the basecoat and flakes.
- Wait 12 hours before applying a second coat, if required.

**NB:** If cold conditions prevail, this curing time must be extended.

### MIXING

Empty the entire contents of the Activator component into the Base component and mix thoroughly for 2 minutes using an impeller fitted to a variable speed drill. Transfer material into another mixing container, scraping the sides and bottom of the container and remix for a further 2 minutes. This step is critical to ensure complete cross-linking of components is achieved. Do not aerate mix nor mix by hand.

### COLD CONDITIONS

Low temperatures decrease flow, delay set and affect water resistance and final appearance. Materials should be conditioned for 16 hours at 21-27°C; heaters should be utilised to warm floors.

### CURING

If temperatures are between 16°C to 30°C, the coating system can be exposed to light traffic after 48 hours. Excessive traffic, aqueous cleaning and exposure to chemicals should only take place after 7 days, when full cure has been achieved.

## CLEAR TOPCOAT

### SHELF LIFE

24 Months if stored between 15°C-30°C.

### STORAGE CONDITIONS

Store all components of FLAKE-IT Flooring between 16°C and 32°C in a dry area. Avoid excessive heat and do not freeze.

### RECOMMENDATIONS

- DO NOT attempt to install material if temperature of components and substrate are not within 16°C to 30°C. The cure time and application properties of the material are severely affected.
- DO NOT use water or steam in the vicinity of the application. Moisture can seriously affect the working time and other properties.
- Protect areas from dust and isolate access. Contamination between layers will affect the final appearance.
- Avoid contact with all liquid Parts A and B as they may cause skin and/or eye irritation. Workmen should cover hands with protective creams or rubber gloves and wear safety glasses.
- Use only with adequate ventilation.

**NOTE:** Material Safety Data Sheets are available on request. A staff of technical service experts are available to assist in installation or to answer questions related to our flooring products specifically, or flooring problems in general.

# FLAKE-IT TILL YOU MAKE IT FLOORING



## COLOUR BASECOAT

### DESCRIPTION

A tough and durable two component water-based epoxy enamel. The cured film provides an aesthetically pleasing surface.

### APPLICATION AREAS

The Flake-It Flooring Basecoat forms part of the total Flake-It Flooring system including the Flakes and Flake-It Flooring Topcoat. The full Flake-It Flooring System is designed for use in residential garages, balconies, terraces, patios, kitchens and similar exposure areas.

### PRODUCT ADVANTAGES

- Bonds well to existing substrates
- Fully customisable to your liking
- Easy application
- Easy to clean
- Self-priming

### PACKAGING & COVERAGE

- 3.5 L kit consisting of Part A and Part B.
- 6 to 8 m<sup>2</sup>/litre/coat.
- One colour coat diluted 5% with water, followed by a 2nd colour coat, flakes and a clear topcoat.

**NOTE:** Coverage rates shown are theoretical. Actual coverage rates may vary. Make necessary allowances for the condition of the surface to be coated, working conditions, waste, spillage, experience level and skill of the installers, etc.

### TECHNICAL INFORMATION

Generic	Water-based epoxy polyamide
Finish	Semi-gloss
Volume Solids	38% - 42%
Components	Two
Mix Ratio	4:1 (A:B)
Pot Life	60 Minutes
Apply Over	Prepared plaster, concrete, wood or primed steel
Curing Time	6 to 8 Hours recoat 24 Hours service 7 Days full cure
Application Temperature	15°C - 35°C
Dew Point	Substrate to be 2°C above dew point
VOC Content	6g/L
Thinner	Water (not to exceed 5% by water)

## COLOUR BASECOAT

### SUBSTRATE PREPARATION

Remove oils, grease and other contaminants by scrubbing with a suitable degreaser and cleaner followed by rinsing with clean running potable water, to obtain a water break-free surface. Allow to dry. Abrade the surface by etching with Ramuc Clean & Prep solution or grinding or light vacu blasting to remove laitance and open all voids. The roughened surface should have a texture similar to 100-grit sandpaper, and minimum tensile strength of 1.5 MPa and moisture content of 5% maximum. All grind marks in floor substrate should be patched before applying the coating to give a smooth finish.

### PATCHING AND PRIMING

If necessary patch cracks and holes by filling with Dural 30/35NS Quickset Epoxy Paste or, if badly pitted, skim floor surface with a trowel, using a suitable screed. Allow to cure and sand smooth before coating. Apply one coat of FLAKE-IT Flooring basecoat thinned with 5% water at approximately 6-8m<sup>2</sup>/litre with a roller to seal the pores. Allow to cure for 6 to 8 hours before overcoating.

### COATING

Apply another coat of FLAKE-IT Flooring basecoat after priming at 6 to 8m<sup>2</sup>/litre using a medium nap roller. Work in 1 m<sup>2</sup> strips applying the coating and then throwing flakes underhand into the air over that strip. This ensures the flakes have a wet surface to bond to and ensures the flakes are scattered evenly. After completing the whole floor in this manner wait 6-8 hours before applying the clear coat on top, 2 of these clear coats can be applied dependant on the texture of your floor. NB: If cold conditions prevail, this curing time must be extended. Caution - Take care when throwing the flakes to not throw onto any dry surfaces.

### MIXING

Empty the entire contents of the Activator component into the Base component and mix thoroughly for 2 minutes using an impeller fitted to a variable speed drill. Transfer material into another mixing container, scraping the sides and bottom of the container and remix for a further 2 minutes. This step is critical to ensure complete cross-linking of components is achieved. Do not aerate mix nor mix by hand.

## COLOUR BASECOAT

### COLD CONDITIONS

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