

# CONPELL Flake Floor

## DESCRIPTION

CONPELL Flake Floor is an Epoxy flooring system with the use of small blended coloured flakes to create an attractive hardwearing and durable flooring system. The CONPELL Flake Floor system is over coated with a water based urethane coating.

## PRODUCT BENEFITS

- Excellent adhesion
- Water based
- Environmentally friendly **Meets “Green Star” Requirements**
- Non Yellowing
- Easy to maintain and re-apply
- Cost effective concrete treatment

## TYPICAL APPLICATIONS

CONPELL Flake Floor can be used in a variety of applications including Food preparation areas, Restaurant, Retail, Hospital, School, Toilet, Garage and house flooring

## VOC RATING

### TESTED UNDER THE REQUIREMENTS OF:

### IEQ 13 VOLATILE ORGANIC COMPOUNDS “GREEN STAR TECHNICAL MANUAL 2008”

TVOC's calculated as the sum total of the VOC's of each individual raw material component.

The total VOC is 0.00 grams/ litre of ready to use product, Please refer to appropriate CONPELL Technical Data Sheets for coatings used.

## PACK SIZES

CONPELL Flake is available in assorted containers sizes.

## PREPARATION

- All surfaces to be coated must be structurally sound and free of all previous coatings, adhesives, efflorescence or laitance by abrasive blasting, high pressure water blasting, mechanical scrubbing or other means.
- All surfaces to be coated must be free of all dirt, grease, oil or other surface contaminants.
- All holes, non structural cracks and surface deformities should be repaired prior to the application of CONPELL Flake Floor
- Ensure recoat time are adhered to between applications,

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## PRIMER (Epo Shield WB)

### MIXING

1. Mixing should be by means of mechanical forced action mixer with a high speed shear stirrer.
2. First pre-mix each individual component to form a homogeneous paste.
3. Join the two components together by equal volume, mixing thoroughly for a minimum of 3 minutes until a homogeneous paste is obtained
4. Add by equal volume epoxy mixture and clean water and mix thoroughly for 3 minutes until a consistent paste is achieved.
5. Avoid trapping air during the mixing process as this may cause pin holing in the coating during application
6. Only mix as much product as can be used within the pot life of the product

### PLACING

1. Apply in a uniform manner using a brush, roller or airless sprayer, ensure application rates are adhered to and ensure all surface voids are filled.
2. Apply at a rate of 8 – 10m<sup>2</sup>/litre
3. Avoid pin holing
4. Successive coats should be applied at right angles to the previous coats
5. Allow the surface to cure for a minimum of 24 hours before applying base coat.
- 6.

## BASE COAT (Epo Shield WB)

### MIXING

1. Mixing should be by means of mechanical forced action mixer with a high speed shear stirrer.
2. First pre-mix each individual component to form a homogeneous paste.
3. Join the two components together by equal volume, mixing thoroughly for a minimum of 5 minutes until a homogeneous paste is obtained
4. Avoid trapping air during the mixing process as this may cause pin holing in the coating during application
5. Only mix as much product as can be used within the pot life of the product

### PLACING

1. Apply in a uniform manner using a brush, roller or airless sprayer, ensure application rates are adhered to and ensure all surface voids are filled.
2. Apply at 4 – 5m<sup>2</sup>/litre
3. Avoid pin holing
4. While the surface is still wet and tacky broadcast the appropriate amount of flake to achieve the desired result, allow to cure for 12 hours
5. Once cured remove excess broadcast material using a broom or industrial strength vacuum

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**TOP COAT (Pol Shield SL40 or Epo Shield 110)****MIXING**

1. Mixing should be by means of a mechanical forced action mixer with a high shear stirrer. Mix product as specified in appropriate CONPELL product Technical Data Sheet.
2. Mix thoroughly for a minimum of 3 - 5 minutes until a homogeneous blended paste is achieved.
3. Avoid trapping air during mixing.

**PLACING**

1. Apply in a uniform manner using a brush or roller, ensure application rates are adhered to and ensure all surface voids are filled.
2. No dilution is required
3. Apply product as directed within appropriate CONPELL Technical Data Sheet.
4. Avoid pin holing
5. Successive coats should be applied at right angles to the previous coats.
6. Allow the surface to cure for a minimum of 24 hours before subjecting to pedestrian traffic, allow 7 days before allowing vehicular traffic or chemical cleaning.
7. Full cure in 7 days

**PRECAUTIONS**

- Some individuals may experience a skin reaction to the materials used in the CONPELL Flake Floor system. Use appropriate protection equipment. Refer to our Material Safety Data Sheet for further information.
- Do not apply to steel or metal surfaces as corrosion may occur
- In enclosed areas ventilation should be provided during the coatings curing cycle to allow for adequate evaporation of the coating.
- CONPELL Flake Floor is a coating not a water proofing membrane.
- Do not apply the CONPELL Flake Floor system over any existing coating or concrete treatment such as curing compound or Release agents.

Contact the manufacture if one or more of the following conditions exist

- The substrate is subject to hydro static pressure or rising damp
- The substrate is chalky or dusting
- Ambient or substrate temperatures are below 10°C
- The finished floor will be subject to chemical attack (including hot chicken Fats)

**FIRE**

The CONPELL Flake Floor system is Non flammable.

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## SAFETY PRECAUTIONS

Wear appropriate protective equipment, including clothing, gloves, appropriate respiratory mask and goggles. If poisoning occurs, contact doctor or Poisons Information Centre, If in eyes, hold eyes open and flood with water for at least 15 minutes then see doctor immediately. For further information refer to the relevant Material Safety Data Sheet.

## IMPORTANT INFORMATION

The information and recommendations relating to CONPELL Flake Floor are given based on current knowledge and experience. Due to variances in material substrates and site conditions no warranties implied by law or, fit to purpose of the product can be implied. We accept no responsibility for loss or injury due to the incorrect handling or improper use of the product, limiting the cost of our liability to the replacement product cost only. Always refer to current Product Technical Data Sheets.

**CONPELL**

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