

# Featureflor

## Packaging



## Mixing



## Application



## Uses



## Substrates

Concrete floors,  
Terrazzo and  
ceramic tiles

## Smooth, polishable, self-levelling, decorative flooring compound

### Description

A white, resin-modified, fast-setting, chemical cure, cement-based compound used as a decorative flooring screed. Its smooth consistency and high fluidity allow ease of placement, trowelling and finish.

### Uses

Use internally and apply to properly prepared concrete, terrazzo and ceramic tiles to form an economical, white, decorative flooring surface. When applied by an experienced applicator, the addition of clean marble aggregate, oxide and water-based pigments can be ground and polished to achieve a terrazzo-like appearance. Use to achieve a wear and impact-resistant floor in shops, hotels, cafes, exhibition areas and residential applications.

### Features

- Durable and crack resistant (exceeds 40MPa)
- Self-levelling
- Rapid set - 2-4 hours
- Smooth finish
- For thickness 5-10mm
- Wear and impact resistant
- White can be coloured or modified with marble aggregate
- Decorative

### Performance Data

	1 day	7 days	28 days
<b>Compression Strength</b>	14.0MPa	32.0MPa	40.0MPa
<b>Flexural Strength</b>	5.0MPa	6.0MPa	7.0MPa
<b>Adhesion to substrate</b>	1.0MPa		

### Coverage (Approximate)

1.5kg/m<sup>2</sup> per 1mm thickness.

### Specification

**Featureflor** shall be a self-levelling, decorative, fast-curing compound with a minimum compression strength of 40MPa manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's application instructions.

### Surface Preparation

Surfaces must be firm and structurally sound, free from dirt, wax, oil, grease, paint, ponded water, laitance and all contaminants. Contaminated/ultra smooth floors will need to be mechanically abraded or dustless shot-blasted to roughen and abrade the surface before priming. When in doubt about the surface preparation or priming, a 1m<sup>2</sup> test area is recommended. A thorough repeated sweeping with a hard broom, followed by mopping with clean water to remove all contaminants is essential before priming.

### Priming

To prevent rising of air bubbles and to improve adhesion of the applied surface, the substrate must be completely covered with primer.

**Porous concrete:** Prime with **Super Prime** applied with a hard broom or brush to penetrate into the substrate (may require 2 coats).

**Helicopter or steel trowelled finish concrete, terrazzo, ceramic tile or non-porous surfaces:** Prime with **Primax** applied with a hard broom or brush, working well into the surface.

**Damp concrete/difficult to adhere to substrates:** Apply **Epecrete** with a brush to dampproof the floor and improve adhesion.

### Mixing

**Featureflor is to be applied by experienced levelling applicators.** Mix ratio is 4 litres of water (exactly) to 20kg of **Featureflor**. Mix 3-6 bags using a 'Hippo' or similar mixer, using a 2-3 man team to mix and apply. Use a spiked roller to remove air bubbles and blend mixes together. Mix for 1-2 minutes and place the product immediately - the levelling properties reduce in effectiveness after 10 minutes making levelling and finishing more difficult. Use the mixture within 15 minutes. Discard unused material after this time.

**Featureflor** can be applied 5-10mm thickness. When applying over 10mm, apply **Level Floor Tuff** or **Standard** prior to finishing with **Featureflor**.

- Can be mixed with up to 5% oxide to obtain the desired colour.
- Marble aggregate can be added and polished to obtain a terrazzo appearance.

Pot life at 20°C is approximately 30 minutes and is walkable after 3 hours but will vary on temperature.

## Application

Pour the mixed **Featureflor** onto the prepared floor and spread with a levelling compound spreader or large metal trowel, keeping the trowel slightly inclined to obtain the desired thickness. Spread the material to the desired thickness in one application. Use sufficient material to cover high points with 2-3mm thickness. **Featureflor** smooths itself during the first 10 minutes. Apply when the temperature is 10-30°C, do not apply in direct sunlight as this can cause the surface to crack. If required, an additional layer or finish coat over an aggregate mix can be applied after the surface is primed with **Primax** but the layer should not exceed 50% of the previous layer. **Featureflor** can be walked on in 2-4 hours and put into use the next day, 15 hours @ 23°C @ 50% relative humidity.

## Expansion Joints

Expansion joints are recommended around the perimeter of the room at 5m intervals, at room size changes, at the requirements of engineers, and over expansion joints in the substrate.

Apply to internal, dry, crack-free concrete (cracks in the substrate will transfer to the finished surface).

The substrate must be primed to improve bond and stop air bubbles.

To avoid shade variation in the finish surfaces prime the substrate with **Epecrete** to stop rising damp.

## Trial

To determine the suitability of the finish a trial area is recommended.

## Sealing

Sealing is recommended when the substrate is dry, 48 hours @ 20°C. Cooler conditions will delay the cure.

## Precautions

**Do not hand mix or add in excess of 4.0 litres of water as this causes lumps, cracking, reduced strength and bond failure. A whitish/yellow layer on the surface indicates over watering. Do not apply externally or on permanently damp surfaces.**

When polished, natural effects become visible, i.e., water and trowel marks, and random spotting. Protect the surface from damage until it has sufficient strength with 3mm MDF to avoid mechanical damage. Sweep and vacuum repeatedly to preserve the surface.

Do not use externally or on permanently damp areas, on waterproofing membranes or with heating cable embedded in the **Featureflor**.

Non-toxic but contains cement which contains silica. Wear gloves and appropriate respirator. Further information for this product is contained in the Safety Data Sheet. Refer; [www.constructionchemicals.com.au](http://www.constructionchemicals.com.au)

## Shelf Life

1 year

No guarantee is given or implied with **Featureflor**. The use of this product requires a high level of skill to obtain the required level of performance and finish of the **Featureflor** and it is the applicator's sole responsibility to apply it correctly. A test area must be done to confirm the suitability of the product for a specific use.



[www.constructionchemicals.com.au](http://www.constructionchemicals.com.au)

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