

Level Floor V15

Packaging



Mixing



Application



Uses



Substrates

Concrete Floors
Terrazzo
Ceramic Tiles

Smooth, sandable, self-levelling underlay prior to laying carpet & vinyl

Description

A resin-modified, fast-setting, chemical cure, cement-based compound for use as an underlay and repair screed. Its smooth texture and high fluidity allow ease of placement, trowelling, feather edging and finish.

Uses

Use as an internal underlay prior to fixing carpet and vinyl. The smooth finish and easy sanding properties makes the product ideal for thin bed adhesive fixing (e.g. carpet and vinyl). Apply to properly prepared concrete, terrazzo and ceramic tiles from feather edge to 50mm. Can be fortified with [Elastabond](#) to improve durability.

Features

- Durable and crack resistant (40MPa)
- Self levelling: smooth float finish
- Rapid set - 2 to 4 hours
- Smooth finish and sandable
- Apply floor coverings in 15 hours
- Apply feather edge to 50mm
- Compatible with most adhesives

Coverage (Approximate)

1.5kg/m² per 1mm thickness.

Performance Data

	1 Day	7 Days	28 Days
Compression Strength	22MPa	31MPa	40MPa
Flexural Strength	5MPa	7MPa	10MPa

Specification

The levelling compound shall be a self-levelling, fast-curing compound with a minimum compression strength of 40MPa, such as **Level Floor V15** 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. When in doubt about the surface preparation or priming, a 1m² 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.

Surface Moisture

When adhering floor coverings, check surface moisture with a moisture meter if in doubt about moisture content.

Priming

Helicopter or steel trowelled finish concrete: Prime with [Super Prime](#) applied with a hard broom or brush to penetrate into the substrate.

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

Place 4.2 to 4.5 litres of drinkable water in a mixing container and gradually add 20kg of level floor using a slow speed drill. **DO NOT hand mix or add in excess of 4.5 litres of water as this causes lumps, cracking, reduced strength and the cause of level floor to separate leaving a yellow layer on the surface indicating over watering.** For optimum results, mix for 2 to 3 minutes, then allow the mixture to rest for 1 to 2 minutes, briefly remix and place product immediately. Do not add additional water or powder when remixing – 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. **Level Floor V15** can be applied feather edge to 50mm. Over 30mm for economy, add to 1 part of [mixed V15](#) 1 part 3-8mm round washed aggregate while mixing mechanically.

Application

Pour the mixed levelling compound 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. The levelling compound smooths itself during the first 10 minutes. Apply when the temperature is 5-30°C, do not apply in direct sunlight as this can cause the surface to crack. If required, an additional layer or finish coat over the aggregate mix can be applied after the surface is primed with [Primax](#) but the layer should not exceed 50% of the previous layer. The levelling compound can be walked on in 2-4 hours and put into use the next day (15 hours @ 23°C @ 50% relative humidity). Must be applied in accordance with all relevant **Construction Chemicals** technical information: www.constructionchemicals.com.au/tech-info/

Precaution

Not suitable for use externally or in wet areas.

Safety Precautions

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; [Level Floor V15 - SDS](#)

Shelf life

When stored in the original, unopened packaging, in a dry place @ 23°C @ 50% relative humidity, the product has a 12 month shelf life.