

# LVL-25

## LEVEL-IT™



## Premium Self-Levelling Cement

### DESCRIPTION

**ACT LVL-25** is a premium leading edge, fast setting & self-levelling, self-flattening cement compound and underlayment designed to level and flatten uneven floor substrates. **LVL-25** can be used for both internal & external floor applications from feather edge to 25mm thickness in single pour. **LVL-25** can be economically bulked out with clean 2mm-5mm aggregate up to 100mm applications. **LVL-25** can receive floor covering such as tile, porcelain or stone after 4hrs of application.

### FEATURES & BENEFITS

- ◇ Feather edge to 25mm thickness
- ◇ Tiles can be laid after 4 hours
- ◇ Leading edge Supaflo technology
- ◇ Exceptional bond strength
- ◇ Smooth hardwearing finish
- ◇ User friendly & quicker application
- ◇ Hand trowel or pump system
- ◇ Low VOC & Green Star Compliant

### RECOMMENDED FOR

- ◇ Concrete substrates
- ◇ Existing tiles
- ◇ **WP-1** & ACT approved waterproofing membranes
- ◇ Both Internal & External Applications
- ◇ Suitable under all types of tile, stone, timber and resilient flooring

### SUBSTRATE PREPARATION

All substrates to be levelled must be clean, dry, free from dust, wax, oil, grease, laitance, curing compounds, paints (inc overspray), coatings and all contaminants which may cause adhesion failure. If levelling over existing tiles, tiles must be sound and not loose or drummy, tiles must be clean and free from any contaminants which may cause adhesion failure, if in doubt, good practise is to run a grinder over the surface to remove possible unknown contaminants. Ensure all dust is removed prior to applying **PR-1** or **EP-2** primers. Substrate and ambient temperatures must not be below 11°C

### CONCRETE SUBSTRATES

Must be solid, clean, dry and free of oil, wax, grease, curing compound or any other contaminant s which may cause adhesion and system failure. Liberally apply clean water to substrate across a good representation of substrate type to determine if porous or not.

**Follow these recommendations to determine type of primer option required for your particular application.**

Porous Substrate-absorbing clean water: Prime substrate with **ACT PR-2** 'The Green One' Porous Substrate Primer.

Non-Porous or Slightly Porous Substrate-barely or not absorbing water: Prime substrate with **ACT PR-1** 'the blue one' non-porous substrate primer. Any concrete or screed substrate with higher than 5.5% moisture content or on ground slab with no 'effective moisture barrier' below then substrate must be primed with two (2) coats of **ACT EP-2** moisture barrier primer/membrane. Application of **LVL-25** must be within 24hrs of final coat of **EP-2**.

Existing Tile, Stone or Epoxy Coatings must be clean, dry and free of any contaminants which may cause adhesion system failure must be primed with either **PR-1** or **EP-2** dependent on moisture content of substrate. All primers must be fully dry before application of **LVL-25**.

### COVERAGE

20kg of mixed **LVL-25** will cover 4m<sup>2</sup> at 3mm thickness. Coverage will vary depending on condition of the substrate.

### SHELF LIFE

In unopened original packaging for up to 6 months when stored in a cool, dry environment off the floor.

### PERFORMANCE DATA

Exceeds the performance requirements of AS4992 Tensile adhesive strength  $\leq 1.0\text{MPa}$  (28 days)

### MIXING

Mix 20kg bag of **LVL-25** with 4.6 - 4.8 litres of cool clean drinking water. Pour the measured water into a clean bucket and gradually add the full 20kg of **LVL-25** powder whilst mixing with a quality heavy duty drill (650rpm). Mix for a full 2-3 minutes. Leave to sit for no more than 1 minute before applying to prepared substrate. Good practice in hotter weather is to ice the water.

### THICKNESS

**LVL-25** can be applied from a feather edge to 25mm thickness in single pour application. **LVL-25** can be economically bulked out using clean 2mm-5mm aggregate. Up to 20kg of clean aggregate can be added to 20kg of mixed **LVL-25**. This mixture can then be applied up to 100mm thickness in single pour application.

### DRYING

At 23 °C **LVL-25** can be walked on after 2 hours, receive tiles after 4 hours & suitable resilient floorings after 24 hours.

### APPLICATION

Immediately apply the mixed **LVL-25** onto the prepared substrate by pouring gradually and continuously until the bucket is empty. Ensure following mixes are poured into a wet leading edge of previous pour. It is good practise to wear football boots with rubber studs while spreading **LVL-25** lightly with a stand up spreader and finishing smaller areas with a hand trowel. The less you play or work **LVL-25** the better finish you will achieve. If in doubt, contact **Act Australia Technical Services** for further information and advice. **ACT LVL-25** can be successfully pumped onto substrate by suitably qualified flooring professionals. Please follow pump manufacturers recommendation at all times.

### CLEAN UP

**LVL-25** should be removed from any substrates using a clean damp sponge while wet. Tools & equipment should be scrubbed clean with water while **LVL-25** is still wet.

### SAFETY DIRECTIONS

**ACT Australia** supports best practice in material handling. Appropriate gloves, dust masks, safety glasses & protective clothing should be worn. If product comes into contact with skin, wash off with soapy water. Avoid inhaling dust by wearing appropriate dust masks. If swallowed drink plenty of drinkable water and seek medical advice. In case of contact with the eyes, rinse with clean water or eye wash solution and seek medical advice.

### LIMITATIONS

- ◇ Not suitable for continuous water immersion such as swimming pools, spas and ponds
- ◇ Not suitable directly over 100% polyurethane or fiberglass waterproofing membranes
- ◇ Not suitable directly over plastics and metals
- ◇ Not suitable directly over Masonite, MDF, timber, plywood or particleboard
- ◇ Suspended concrete slabs must conform to AS3958.1-2007 for maximum deflection. All post-tensioned concrete slabs must be treated as flexible substrate
- ◇ Do not apply if the temperature is below 11°C or above 35°C

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