

# UNILEVEL

## GENERAL PURPOSE SELF-LEVELLING COMPOUND

V.1.2023

### Characteristics:

- Unilevel is a self levelling cementitious underlayment intended for interior use.
- It is formulated for preparation of concrete subfloors prior to the installation of ceramic, natural stone and concrete stone products, wood parquet, and textile floor coverings.
- It is suitable for underfloor heating systems, however for specific instruction on use in this application, contact your nearest technical representative.
- It can be laid up to 50mm in a single application.

### Preparation:

- Subfloor must be free of oil, grease, wax, curing compounds, dust, old adhesive and any other contamination which may inhibit bond.
- Note – Concrete floors must be dry in accordance with NZS/AS1884 – 2013 (70% RH maximum).
- Where temperatures less than 10°C or greater than 30°C are encountered contact technical staff for specific advice.
- Priming with *Universal Primer* is essential to ensure good adhesion and reduce pin holes of the underlayment.
- Very absorbent concrete may require a second coat of *Universal Primer*.

• Non-porous substrates such as ceramic tiles, terrazzo, painted or epoxy surfaces and sealed or burnished concrete floors should be primed using *Universal Primer* (undiluted)

### Mixing:

- The mixing ratio for Unilevel is 5L of clean water to 20kg of Unilevel powder.
- Unilevel should be mixed using a drill fitted with a suitable mixing paddle.
- Add 5L of water to a bucket and slowly add the Unilevel powder while mixing.
- Mix continuously for at least 2 minutes, and until the mix is entirely lump-free.
- Do not overwater as this will promote bleed and separation with a reduction in bond and tensile strength.

### Application:

- Apply the mixed compound to the primed substrate using a screed bar or trowel to give the required thickness.
- Maximum thickness in one application is 50mm. Unilevel levels itself in the first 10 – 15 minutes @ 15 – 20°C.
- Do not attempt to rework the material after 15 minutes.
- Unilevel is not for external use.
- Not to be used in immersed situations like swimming pools/spas etc.

### Clean Up:

- Clean all equipment immediately after use with water.

### Packaging:

- Unilevel is available in a 20kg Bag.

### Storage:

- Unilevel is a cement based product which must be stored in a dry area off the ground and out of direct sunlight.

### TECHNICAL DATA

#### Coverage per 20kg

- Approximately 12m<sup>2</sup> to 14m<sup>2</sup> @ approx 1mm thick or 4m<sup>2</sup> to 4.5m<sup>2</sup> @ 3mm thick depending on texture of substrate.

#### Compressive strength @ 20°C:

- 1 day – 6.9 MPa
- 7 days – 22.8 MPa
- 28 days – 39.8 MPa

#### Flow / work time:

- 10-15 minutes

#### Initial set time:

- 2 hours @ 20°C

#### Ready for floor coverings:

- 24hrs @ 3mm @ 20°C
- Ceramic tile installation, after 2 – 4 hours @ 20°C
- Carpet installation, after 24 hours @ 20°C
- For impervious floor coverings such as, PVC, rubber and parquet floor coverings, allow Unilevel to completely dry (minimum 24 hours)

#### Thickness:

- Feather edge to maximum 50mm

### SAFETY & HANDLING

- Hazardous according to the criteria of NOHSC.
- Contains cement silica.
- Wear gloves and mask when handling.
- Wash hands thoroughly after use.
- MSDS available on request

### SELF-LEVELLER

*Up to 50mm per application  
Suitable for underfloor heating  
Excellent adhesion to concrete*

