



# **CAPITOL LEVELLING & SMOOTHING**

**Levelling and smoothing compound designed to level and smooth internal sub-floors prior to applying floor finishes.**

Floor Coverings

- Vinyl, Carpet
- Floating Timber

Substrates

- Internal Dry Concrete Substrates

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**Australian Flooring Supplies**

68 Prosperity Way

Dandenong South VIC 3185

Phone: 1300 737 155

**[www.shopqep.com.au](http://www.shopqep.com.au)**

# CAPITOL LEVELLING & SMOOTHING

## Levelling Compound

### PRODUCT DESCRIPTION

Capitol Levelling and Smoothing Compound is a rapid drying cement - based levelling compound for internal concrete substrates.

### SURFACE PREPARATION

The substrate must be dry, structurally sound, and mechanically prepared to be clean and free of dust, wax, grease, asphalt, latex compounds, curing and sealing compounds and any other surface contaminants. The substrate should be mechanically prepared to achieve a CSP3 or greater, in-line with AS 1884.

### PRIMING

Capitol Primer must be used on all concrete floors before installing other Capitol Levelling and Smoothing Compounds. Mix 1-part Capitol Primer with 2-parts clean water. Apply to the substrate using a stiff-bristled broom only. Do not allow Capitol Primer to puddle on the surface.

Allow the primer to dry completely to a transparent film before installing capitol Levelling and Smoothing Compound (Min 3 hours, max 24 hours).

For very porous concrete and other substrates, refer to the Capitol Primer technical datasheet for more information .

### MIXING RATIO

Requires 4.5 litres of water per Capitol Levelling and Smoothing Compound 20kg bag.

### MIXING

Place 4.5 litres of clean water into a suitable bucket. While mixing with a heavy-duty drill and appropriate mixing paddle, slowly add the Capitol Levelling and Smoothing Compound and mix for 2 - 3 minutes, ensuring a lump free consistency.

Note: Always add the powder to water. Do not allow mix to sit prior to use. Do not add additional water. Concrete mixers and hand mixing are not suitable methods of mixing.

### MANUAL INSTALLATION

Capitol Levelling and Smoothing Compound is placed on the substrate to the required thickness (3mm - 12mm) within 10 minutes, using a range of appropriate flooring tools; gauge rakes, smoothing spreaders, hand trowels etc. Suitable footwear with rubber or nylon studs should be worn to avoid leaving marks in the Capitol Levelling and Smoothing Compound.

### PUMPING INSTALLATION

Capitol Levelling and Smoothing Compound can be pumped using a suitable Automatic Mixing Pump. Follow the instructions as set by the pump manufacturer.

### THICKNESS

Capitol Levelling and Smoothing Compound can be applied from 3mm - 12mm in one application with aggregate. For areas requiring a thickness over 12mm to a maximum of 20mm, mix with a well washed and dried 2mm - 5mm aggregate. Mix Capitol Levelling and Smoothing Compound with water first then add the aggregate in equal volume to mixed mortar whilst mixing.

### DRYING TIME

Walkable in 2 - 3 hours. Floor coverings can be installed from 24 hours. Moisture - sensitive floor coverings (Vinyl or timber) can require longer drying before installation.

Allow longer drying times for humid climates and lower substrate/ ambient temperatures.

### COVERAGE

Approximately 1.7kg powder/mm/m<sup>2</sup>. A 20kg bag will cover approximately 4m<sup>2</sup> at 3mm thickness.

### DRYING - HARDENING

Drying time is dependent on job site temperature, humidity, installation thickness and floor covering type. Based on 23°C and 50% RH.

Conventionally laid carpet and floating floors can be installed after 24 hours.

Direct stick applications such as vinyl flooring after 48 hours.

### TECHNICAL DATA

Bulk density of powder	1.2kg/L
Weight of fresh mortar	2.0kg/L
Compressive strength	
After 1 day	15MPa
After 7 days	25MPa
After 28 days	30MPa
Tensile bonding strength	
After 1 day	4MPa
After 7 days	8MPa
After 28 days	10MPa

### STORAGE

Capitol Levelling and Smoothing Compound has a shelf life of 12 months if stored in dry conditions in unopened packaging.

### SAFETY DATA

Additional information is in the Safety data sheet SDS at [www.shopQEP.com.au](http://www.shopQEP.com.au)

This product causes skin irritation and may cause an allergic skin reaction. This product may cause respiratory irritation. It causes serious eye damage and in case of contact with the eyes rinse with running water until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/fumes/gas/mist/vapours/ spray. Ensure adequate ventilation during mixing and application. This product may cause cancer. Store locked up. Check with your local Council regarding the disposal of contents. Keep out of reach of children. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell.

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