

# TECHNICAL DATA SHEET

# PERFECT LEVEL

## Premium Self-Levelling Compound



### DESCRIPTION

Ssangkom Perfect Level is a self-levelling mortar composed of cement, aggregates, and special additives. It maintains its own level and provides excellent flowability, making it ideal for finishing floor surfaces.

### FEATURES

- Excellent flow properties ensure superior smoothness and levelling performance.
- High-performance mortar with outstanding adhesion and resistance to bleeding.
- Provides significantly higher strength compared to conventional rendering mortars.

### USES

- Floor finishing in commercial buildings such as department stores and exhibition halls
- Plastering of large areas requiring precise levelling
- Partial repairs or thin section screeding applications
- Floor finishing for premium interior spaces such as cafés

### SPECIFICATIONS

Main Constituents	Cement, Inorganic Filler, Polymer Powder, Special Additive
Net Weight	20 kg
Colour	Grey
Setting Time	2 - 4 hours
Thickness	3 - 30 mm
Compressive strength	28 day cure – 30 MPa
Flexural strength	28 day cure – 8.3 MPa
VOC Level	< 0.5 mg/m <sup>3</sup>
Shelf Life	12 months

\* Depends on temperature, humidity, surface porosity, etc.

\* Under generally accepted hygrothermal conditions

### COVERAGE

20kg Bag	4.0 - 5.0 m <sup>2</sup> at 3 mm
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\* Guidance only. Figures may vary depending on angle you hold trowel at, substrate properties, workmanship, etc.

### SUBSTRATE PREPARATION

- Concrete or mortar substrates must be fully cured (minimum 4 weeks).
- The surface must be level (flatness tolerance  $\pm 1-2$  mm); any protrusions or irregularities that may hinder application must be removed.
- Dust, dirt, oil, and other contaminants must be thoroughly cleaned from the substrate.
- Wet substrates must be completely dried before application.
- Substrates must be free from shrinkage or excessive vibration.
- Surfaces heated by direct sunlight should be cooled down by light water misting.
- Substrates must be strong, solid, and durable.
- Weak or loose areas that may cause delamination must be removed.

IMPORTANT: All substrate preparation works and the installed substrate are in compliance with the relevant Australian Standards.

### Primer Application

- Primer must be diluted according to the specified mixing ratio and applied evenly using a roller or spray. Allow it to dry completely until a continuous film has formed.
- Since primer application has a critical impact on the workability and performance of the self-levelling compound, it must be applied accurately in one or two coats, following the correct dilution ratio.

### MIXING

- Pour 4.4 – 4.8 litres of clean water into a mixing container, then gradually add Ssangkom perfect level while stirring with a hand mixer.
- Mix thoroughly for about 5 minutes to ensure a lump-free consistency. (The material properties of Ssangkom perfect level are only fully achieved once the powder is completely dispersed.)
- Allow the mixture to stand (mature) for approximately 5 minutes to enable the essential organic additives to react.
- After standing, re-mix briefly to ensure uniform distribution of all components before application.

### APPLICATION



- Pour the mixed product evenly to the required level marks, then smooth the surface using a pin roller or brush.
- For smaller areas, the surface may be finished with a trowel instead of a pin roller, spreading lightly to achieve a smooth finish.
- Successive pours should be carried out as quickly as possible, ideally within 20 minutes, to ensure proper integration and avoid cold joints.

### Curing

- Do not place any heavy loads on the floor for the first 24 hours after application. Ensure proper curing conditions are maintained.
- During curing, protect the surface from direct sunlight, strong winds, or rapid drying by providing adequate shading and wind barriers.
- In cold conditions, take protective measures to prevent freezing prior to and during curing.

## PRECAUTIONS

### General

- Ensure the substrate is free from contaminants and has been adequately cured before application.
- Add the standard amount of water during mixing and blend thoroughly to achieve a lump-free consistency.
- Application is not permitted when the floor or curing temperature is below 5°C. In such cases, apply protective heating measures and consult the manufacturer before proceeding.
- The mixed mortar must be applied within 30 minutes, and reworking must be done within 10 minutes.
- Store in a well-ventilated, dry indoor area, placed on pallets off the ground.

## HEALTH

Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

## SAFETY

Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately, or if you feel unwell, call a poison centre/doctor.

### FIRST AID

Eye contact: Immediately flush eyes and skin with running water for at least 20 minutes. Get medical attention.

Skin contact: Immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Get medical attention. Remove substance immediately if contacting skin. If small amount of substance contacts skin, prevent diffusion.

Inhalation: Keep warm and at rest. Immediately consult a doctor. If not breathing, give artificial respiration. If exposed to dust and fume, blow the off with clean air and take medical action if symptoms develop. If breathing is stopped or irregular, supply oxygen. Move person to fresh air.

Swallow: Immediately consult a doctor. Wash mouth out with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

AUSTRALIAN POISONS INFORMATION CENTRE: 13 11 26 (24 HOUR SERVICE), 000 (POLICE OR FIRE BRIGADE)

## NOTES

The details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time this Technical Data Sheet is printed. Contents in this Technical Data Sheet and the product properties may change without notice.

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AUGUST 2025

Produced in accordance with ISO 9001  
Q Mark certified

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