

HIGH PERFORMANCE FAST FLOW SELF LEVELLING COMPOUND

A composite hybrid material made of special cement, fine aggregates, polymer resin and additives, offering high strength for heights from 3mm – 40mm.



For Professional Use

USES

- Internal Applications
- Residential
- Large Retail
- Commercial
- Light Industrial and Warehousing
- High traffic locations
- Concrete Substrates
- Ceramic Tiles
- Terrazzo
- Quarry Tiles
- Epoxy & polyurethane flooring
(Must first be roughened)

FEATURES

- Fast flow properties
- Super smooth in one application
- High strength exceptional bond
- Rapid Setting
- Light foot traffic 1.50 – 2 hours
- Versatile – apply to 40mm in one application
- Chemical Corrosion resistance
- High Compressive Strength to withstand heavy pressure
- Outstanding wear resistance
- Extremely durable
- Ultra-low shrinkage preventing occurrence of cracks

TECHNICAL DATA

Mixing Ratio	4.40L – 4.60L water per bag	Bag Size	20kg
Coverage	Approx 3-4m ² at 3mm 1.7kg/m ² \mm	Working Time	Within 25 minutes at 20°C
Construction Thickness	3mm - 40mm	Initial Setting Time Light Foot Traffic	60 - 90 minutes 1.5 – 2 hours
Ball Drop Hardness	After 1 day ≈ 50N/mm ²	Drying Time	24 hours 3 - 10mm 48 hours 11- 30mm
Wear resistance	BS8204AR1	Shelf Life	6 – 12 months in a cool dry place

Compressive strength – results may vary according to climatic conditions			
MPa	@ 24 hours	@ 7 days	@ 28 days
Compressive Strength	25.6 MPa	35.0 MPa	38.5 MPa
Tensile Bending Strength	5.9 MPa	7.8 MPa	8.0 MPa

SUBFLOOR PREPARATION

Substrate cleaning

All surfaces must be free from cracks, dust, oils, wax and surface contaminants. All defective host substrate must be removed before application. Defective material includes, cracked or structurally weakened surfaces. Grind floor to remove loose concrete and impurities. Vacuum to remove all debris.

Floor Grinding

Host concrete must be roughened by grinding and aggregate exposed to ensure good bonding strength between Self Levelling Compound and Concrete substrate. Roughened Surfaces also increase Primer penetration and curing.

Concrete should have an **IN** slab moisture content done with insitu probes before proceeding. Surface readings are inaccurate. Depending on the readings if over 85% RH Acouslime Moisture Seal will need to be used first.

The surface **MUST** first be primed with **ACOUSLIME 001 Bond Primer** to bond levelling Compound to substrate.

Protect freshly applied levelling compounds from drafts, direct sunlight and direct sources of heat.

APPLICATION

When the Primer has been absorbed by the base layer and begins to dry - tacky to touch in approx 2-6 hours, dependant on climatic conditions the Levelling can begin.

1. Put 4.40 – 4.60 litres of cold clean water into a clean container. Sprinkle in the sack contents - 20kg whilst stirring briskly and mix to a thick fluid lump-free consistency. Use a drill or mixer fitted with a Mixing Paddle. Do not mix too thinly. Adhere to water quantity specified. Too little or too much water will affect the performance of the Levelling compound. The Levelling compound should be used within 25 minutes to prevent material from solidifying and becoming unusable.

APPLICATION - Continued

2. Pour the mixture onto the substrate. Spread the material uniformly within 25 minutes to required thickness using a toothed rake or appropriate trowel. Remove trapped air from mixing by using a spiked roller before self levelling compound begins to set.
3. Drying time at 20°C is approx 24 - 48 hours depending on thickness. Poor airflow and lower temperatures will significantly affect drying time.
4. Light Foot Traffic within 1.5 - 2 hours

IMPORTANT NOTES

Construction Environment temperature should be controlled between 5°C and 30°C and the relative humidity should not be too high.

Low temperatures and high humidity delays setting, drying and readiness for covering. High temperatures shorten the working time. Therefore, use the coldest possible mixing water during the summer. Application temperature should not be lower than 5°C.

During the curing period, avoid hitting the ground with heavy objects. Do not allow water to sit on the curing substrate expose substrate.

Protect freshly smoothed surfaces from draughts, direct sunlight and influences of heat.

The product should be protected against frost and direct light during transportation.

Avoid Collisions and compression to prevent damaging to packaging.

Store in a dry ventilated and cool place away from direct sunlight and moisture.

Tightly seal and use the contents as quickly as possible.



FAST FLOW SELF LEVELLING COMPOUND

Technical Data Sheet

April 2025

SAFETY INFORMATION

Pay attention to safety during construction to avoid splashing the material into eyes or onto skin. The end-user of this product must first read the latest version of the Safety Data Sheets www.acouslime.com.au before this product can be used.

DISPOSAL

Keep out of sewer and stormwater lines. In the interest of the environment, please dispose of packaging responsibly and materials as trade waste in accordance with local authority guidelines.

Do not contaminate local waterways to protect the environment.

**To be read in conjunction with the
Safety Data Sheet shown on our website.**

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