



Technical Data Sheet

SELF LEVELLING COMPOUND



architectural +
structural
adhesives

tile adhesives, grouts, waterproofing, soundproofing, specialty products, self levelling compounds

DESCRIPTION

ASA Self Levelling Compound is an economical self levelling polymer modified, rapid hardening, single component cementitious underlay. **ASA Self Levelling Compound** has been formulated to achieve a smooth flat surface with ease of application and maximum flow without any shrinkage or cracking.

FEATURES & BENEFITS

- Accepts foot traffic in 3 hours
- Very fast application
- Dimensionally stable
- Single component product, just add water
- Rapid Curing
- Can be applied directly onto prepared concrete surfaces
- Floor covering may be applied next day

RECOMMENDED FOR

- Economical underlayment for ceramic tile and carpet floor coverings
- Fast repairs of uneven concrete floors
- Residential and commercial applications
- Application thickness greater than 2mm to less than 60mm in a single application
- New construction and refurbishment projects
- Flat smooth surfaces over existing concrete slab



SURFACE PREPARATION

All concrete must be clean, dry, free from dust, grease, wax, oil, laitance, curing compounds, release agents, paint, coatings, friable material and all other contaminants likely to prevent bonding. Bitumen, adhesive residue or laitance must be removed by light scabbling or mechanical captive shot blasting or grinding, followed by vacuuming to remove debris and dust. Large cracks or holes may be filled using equal parts of **ASA Self Levelling Compound** and clean fine sand made up to trowellable consistency. The substrate must be primed with **ASA Multiprime** or **ASA Epoxy Prime 2 Part** prior to carrying out the application. New concrete floors must be at least 28 days old prior to application of **ASA Self Levelling Compound**.

MIXING

ASA Self Levelling Compound requires 4.2 litres of clean water per 20 kg bag and is best mixed with a force action, high shear stirrer, powered by a heavy duty electric mixing drill at approx. 600 r.p.m. Add premeasured amount of clean water to a clean container and sprinkle **ASA Self Levelling Compound** powder slowly into the liquid with constant stirring. When the entire contents of the bag have been added to the liquid, mix for a further two minutes to eliminate lumps and produce a smooth homogenous consistency.

DO NOT MIX BY HAND. DO NOT ADD EXCESS WATER.

Discard any **ASA Self Levelling Compound** that has hardened or stiffened in the mixing bucket. Further addition of water will NOT reconstitute a useable mixture.

PRIMING

Porous Concrete Floors:

Apply **ASA Multiprime** evenly onto the correctly prepared surface using a brush or roller at 8 – 10m²/litre, and avoid ponding. Brush out any ponded primer to allow for even and complete drying. Allow to dry prior to the application of **ASA Self Levelling Compound**. Extremely porous substrates such as weather damaged slabs, aerated lightweight concrete etc, may require a second coat of primer to avoid pinholes or bubbles in the levelling compound. If a second coat is required allow the first coat to dry prior to application of consecutive coat. **DO NOT APPLY ASA SELF LEVELLING COMPOUND TO UNPRIMED SURFACE**. Do not allow dust film to cover primed area prior to application of **ASA Self Levelling Compound**. If this occurs the area must be reprimed with **ASA Multiprime** prior to proceeding with application of **ASA Self Levelling Compound**. For concrete substrates that contain greater than 5.5% moisture content or are subject to rising damp or moisture, a moisture barrier is required. **ASA Dampfix Moisture Seal** should be used as a moisture barrier prior to the application of **ASA Self Levelling Compound**.

Non-Absorbent Floors:

For application of **ASA Self Levelling Compound** to non-porous or dense substrates, such as concrete that has been overworked or coated with **ASA Dampfix Moisture Seal**, the surface should be primed with **ASA Epoxy Prime 2 Part**. For further technical information, contact **Bostik**.

APPLICATION

Pour the mixed material on the primed substrate and allow material to seek its own level. **ASA Self Levelling Compound** may be spread with a steel trowel, spreader or squeegee. Keep the trowel slightly inclined to obtain desired thickness. To ensure uniform consistency and uniform continuous flow application of **ASA Self Levelling Compound**, it is advised that subsequent mixers are ready to enable continuous pouring until the area to be levelled is complete. Protect the finished areas from damage until **ASA Self Levelling Compound** has dried. **ASA Self Levelling Compound** may be applied to greater than 2mm and less than 60mm thickness in one application.

For very large areas **ASA Self Levelling Compound** can be applied using an automatic pump. Material should be placed within 30 minutes of mixing.

CURING

Allow a minimum of 3 hours for the **ASA Self Levelling Compound** to cure prior to allowing foot traffic. Allow 12-18 hours for thickness less than 10mm or 24 hours for thickness greater than 10mm prior to tiling. Do not mix or apply product in temperatures below 5°C or above 30°C or under extreme hot and windy conditions.

CLEAN UP

ASA Self Levelling Compound should be removed from tools and equipment with clean water immediately after use.

PACKAGING

20kg polylined paper bags.

POT LIFE

Pour immediately after **ASA Self Levelling Compound** has been fully mixed.



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COVERAGE

The approximate coverage for a 20kg **ASA Self Levelling Compound** is 2mm - 6.5m², 4mm - 3.3m², 5mm - 2.6m², 10mm - 1.3m² and 15mm - 0.8m².

SAFETY DIRECTIONS

Avoid contact with skin and eyes. Avoid breathing dust. Wear overalls, safety shoes, impervious gloves and chemical goggles. Use only in well ventilated areas. If inhalation risk exists wear a dust respirator. No smoking. Avoid contact with foodstuffs, and sources of heat and ignition. Wash hands thoroughly after use. Store in a cool place and out of direct sunlight. Store away from oxidising agents. Do not empty into drains.

RISK: Irritating to eyes, respiratory system and skin. Risk of serious damage to eyes. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia: 131126, New Zealand: 0800 764 766).

SEE THE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.

EMERGENCY INFORMATION: 1800 033 111 (ALL HOURS).

SWALLOWED: If swallowed, do NOT induce vomiting. Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

EYE: Immediately irrigate with copious amount of water for 15 minutes. Eyelids to be held open. Urgently seek medical advice.

SKIN: If skin or hair contact occurs, flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

INHALED: If fumes or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. Seek medical advice if in doubt.

SHELF LIFE

Unopened bags can be stored for up to 12 months in a cool, dry and weatherproof environment. Bags must be stored off the floor.

LIMITATIONS

- **ASA Self Levelling Compound** must not be used in areas subject to permanent wetting or hydrostatic head of pressure.
- **ASA Self Levelling Compound** must not be permitted to come into contact with water at any stage during placement or cure.
- **ASA Self Levelling Compound** is not designed as a wearing course or as a waterproofing agent, and should only be used as an underlayment.
- To avoid rapid drying protect from direct sunlight or drying winds during application, and while curing for up to 6 hours.
- If substrate on to which **ASA Self Levelling Compound** is applied moves or cracks, reflective cracking will occur in the **ASA Self Levelling Compound**.
- Depending on the thickness and ambient temperatures **ASA Self Levelling Compound** can be covered with flooring materials in 24 hours.
- For large and thick sections it is advised to check the moisture content of **ASA Self Levelling Compound** prior to application of floor coverings.
- New concrete surfaces must be at least 28 days old prior to application of **ASA Self Levelling Compound**.
- Check concrete substrates for moisture content prior to application of **ASA Self Levelling Compound**.
- Do not mix by hand.
- Do not add excess water.
- Apply at greater than 2mm thickness.
- **ASA Self Levelling Compound** will not feather out. Use **Bostik Ultra Fine Finish** in applications requiring feather edge.
- Discard any **ASA Self Levelling Compound** that has hardened or stiffened in the mixing bucket. Further addition of water will NOT reconstitute a useable mixture.

DISCLAIMER: The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik Australia Pty Ltd be liable to anyone except for replacement of the products or refund of the purchase price.

ALL SALES ARE EXPRESSLY LIMITED TO THE TERMS AND CONDITIONS OF SALE OF BOSTIK AUSTRALIA PTY LTD

PERFORMANCE PROPERTIES		
COMPRESSIVE STRENGTH Tested in accordance to AS10129.9, AS2073 at 20°C		
1 day	12 Mpa	
3 days	18 Mpa	
7 days	20 Mpa	
28 days	30 Mpa	
SCAQMD - US RULE 1168	VOC %:	0
	VOC g/Litre:	0

FLEXURAL STRENGTH	
Tested in accordance with ASTM C348-86 at 20°C	
1 day	3 Mpa
3 days	4 Mpa
7 days	7 Mpa
28 days	10 Mpa

TECHNICAL SERVICES TOLL FREE NUMBER
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