

AUS-LEV 2-20

Self-Levelling Compound Cementitious Underlay

DESCRIPTION:

AUS-LEV 2-20 is a rapid drying, self-levelling compound with excellent flow properties formulated for levelling difference from 2-20mm in thickness for new and existing internal concrete substrates.

It develops smooth surfaces with high levels of mechanical resistance, ensuring the subsequent installation of floor coverings: carpets, resilient coverings, linoleum, timber flooring, and tiled floor finishes.

FEATURES & BENEFITS:

- Excellent flow properties
- Can be applied in thickness from 2mm – 20mm
- Rapid drying
- High compressive and flexural strength
- Excellent resistance to indentation and abrasion
- Floor coverings can be installed 24 hours after application
- Suitable for pump application

RECOMMENDED USE:

- Levelling new and existing concrete substrates.
- Preparation of surfaces for subsequent floor finishes including vinyl, carpets, linoleum, floating floors, timber flooring and ceramic tiles.
- Ready to accept most floor coverings after approximately 24 hours.
- Levelling over ATA engineered cementitious screeds E.g. Aus-Screed Normal Set and Aus-Screed Fast Set
- Levelling over underfloor heating systems.

CLASSIFICATION ACCORDING TO EN 13813:

The material properties of AUS-LEV 2-20 are classified as CT-C30-F6

SURFACE PREPARATION:

Substrates must be dry, sound, clean, and in accordance to the relevant Australian/NZ floor covering standards and local building codes.

Substrates must be free of wax, grease, oil, polishes, old adhesive, curing compounds, high levels of moisture, and any other surface contaminants that may affect adhesion. If mechanical preparation is required, prepare the floor using recommended methods such as shot blasting and diamond grinding to provide a roughened, clean, sound, and open porous surface.

Thoroughly vacuum loose material and dust.

The minimum subfloor temperature before commencing installation should be 10°C

Do not use solvents or acid etching to clean the subfloor. Relative humidity and pH readings must be carried out on the concrete substrate in accordance with the relevant Australian Standards for floor coverings. For substrates that display high moisture levels, consult ATA before AUS-LEV 2-20 installation.

Do not apply if temperatures are less than 5°C or higher than 35°C.

APPLICATION:

Apply in one coat from 2mm to 20mm.

Apply the mixed compound to the primed substrate using a gauge rake, stand-up spreader at the required height adjustment, or trowel on a slight incline to obtain the necessary thickness.

Installations can also be pumped using an appropriate mixing pump.

The mixed quantity must be used within 10 to 15 minutes at a temperature of 23°C

Due to its self-levelling properties, AUS-LEV 2-20 will quickly develop a smooth finish and even surface.

PRIMING:

Prime substrates with Aus-Bond Primer Grout and Mortar Admix (porous surfaces) or Aus-Bond UltraPrime (non-porous surfaces)

POROUS SUBSTRATES:

Use Aus-Bond Primer, Grout and Mortar Admix after shaking or stirring the product. Do not dilute. Apply an even film using a roller or brush, ensuring the entire area is covered and allowed to cure. Highly absorbent or porous surfaces may require a second coat to avoid pinholes.

NON-POROUS SUBSTRATES:

Ensure substrates such as ceramic tiles have no coatings or sealing compounds on the surface before applying primer. Coatings, curing, and sealing compounds must be mechanically removed from concrete substrates.

Stir thoroughly prior to applying an even layer of Aus-Bond UltraPrime neat by roller to the clean and dry non-porous substrate. You can check adhesion by attempting to remove the primer after approximately 30 minutes (@23 degrees C) with a fingernail – it should be tenaciously bonded and very difficult to remove. Allow the primer to dry (approx. 2 hours @ 23°C).

Once primer is a tack-free orange film, Aus-Lev 2-20 can be applied.

Examples of Non-Porous Substrates:

Burnished Concrete, Ceramic Tiles, Liquid Waterproofing membranes,

For extremely non-porous substrates, it is recommended that a light grind or sand be conducted to enhance adhesion.

To determine whether a substrate is **POROUS** or **NON-POROUS**, pour water from a bottle or a dropper forming a puddle onto the substrate surface, the size of a 10-cent coin. If the water absorbs into the substrate in less than ONE (1) minute, the substrate is **POROUS**. If the puddle remains, the substrate is **NON-POROUS**.

ATSM F3191-16 Standard Practice for Field Determination of Substrate Water Absorption (Porosity) for Substrates.

MIXING RATIO:

Mix one 20kg bag with 4.2-4.4 litres of clean water.

Mix AUS-LEV 2-20 levelling compound with a drill and suitable mixing paddle.

Slowly add the powder to the water while mixing at a low speed. It is essential to ensure the powder and water are

mixed evenly for approximately three (3) minutes and that the water has dispersed to obtain a lump-free mix. Do not overwater, as this will promote bleeding and separation with a reduction in bond and tensile strength.

DO NOT MIX BY HAND.

SETTING TIMES:

When applied, will harden after 2–3 hours at 23°C and can be walked on after this time.

The levelling coat will be ready to receive floor coverings fixed with adhesives after 24 hours at 23°C (time may vary depending on temperature and humidity).

CLEAN UP:

Clean tools immediately after use with water.

COVERAGE:

Approximately

6m² per 20 kg bag at 2mm thick

4m² per 20 kg bag at 3mm thick

SHELF LIFE / STORAGE:

12 months stored in original unopened packaging

Best stored in a dry area at room temperature

Keep off cold floors and out of direct sunlight.

NOTES & PRECAUTIONS:

- New concrete must be a minimum of 14 days old.
- Do not allow AUS-LEV 2-20 to come into contact with water during or after the curing process.
- Do not apply to substrates subject to rising dampness.
- Do not apply below 5 Degrees C or above 35 Degrees C
- Drying times are extended when applied in cold ambient temperatures.
- Not suitable for particle board or strip timber flooring.
- Do not apply over expansion joints, as reflective cracking may occur.
- If applying over ceramic tiles and other non-absorbent substrates, it is recommend to apply a minimum of 3-4mm coating to ensure a water based adhesive can wet out correctly
- **INTERNAL USE ONLY. NOT FOR EXTERNAL USE.**

HEALTH AND SAFETY

For information and advice on the safe handling, first aid, storage and disposal of chemical products, users must refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

TECHNICAL DATA:

PRODUCT INFORMATION:	
Colour	Grey
Bulk Density (kg/dm ³)	~1.46
Wet Density (kg/dm ³)	~2.0
Shelf life	12 months
Packaging	20kg
VOC - GEV Emission	EC1 Plus
Coverage - 20kg Bag	Approximately 4m ² at 3mm
APPLICATION DATA 23 °C AT 50% RH:	
Mixing Ratio	4.2-4.4 litres of water
Open Time	30 minutes
Setting Time	3-4 hours
Temperature Range	From +5°C to +35°C
Maximum Thickness	30mm
Foot traffic	2-3 hours
Waiting time before subsequent bonding	18-24 hours
pH of Mix	Approximate pH 12
PERFORMANCE DATA	
FLEXURAL STRENGTH N/mm ² EN 13892-2	
1 day	> 3
3 days	> 4
7 days	> 5
28 days	> 6
COMPRESSIVE STRENGTH N/mm ² EN 13892-2	
1 day	> 10
3 days	> 18
7 days	> 25
28 days	> 30
ABRASION RESISTANCE G-EN 12808-2	
28 days	< 150
SURFACE HARDNESS N/mm ² EN 13892-6	
28 days	> 50

WARRANTY STATEMENT:

Australasian Tiling Adhesives Pty Ltd (ATA) guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.

We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

ATA will replace the product free of charge when purchased from any legally verifiable source and where a product is proven to have been stored, handled, and install according to instructions published on our packaging and within the stated shelf life. The installation of all materials must be carried out in accordance with relevant Australian Standards.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to ATA.

The consumer is responsible for any expenses incurred in making a claim.

A claim form can be requested by:

PHONE: + 6 1 4 4 8 4 0 4 3 3 3

EMAIL: customerservice@ata.com.au

MAIL: ATA – 3 Progress Court,
Laverton North
Victoria 3026 Australia
(Attention Customer Service)

WEBSITE: www.ata.com.au

AUSTRALIAN CONSUMER LAW:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

DISCLAIMER:

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed.

Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.