



Technical Data Sheet

UL-200

Superior Vinyl & Timber Underlay

DESCRIPTION

Superior vinyl & timber underlay. Rapid hardening polymer modified cementitious underlay formulated for maximum flow without shrinkage or cracking.

APPLICATION

Application thickness feather edge – 25mm

FEATURES

- ✓ Accepts foot traffic in 2 - 3 hours
- ✓ Single component, just add water
- ✓ Very fast application, single operation
- ✓ Dimensionally stable
- ✓ Rapid curing
- ✓ Receives vinyl & timber after 16 hours, carpet & tile after 6 – 8 hours
- ✓ Can be applied directly onto prepared concrete surfaces

RECOMMENDED USES

- ✓ Superior underlay for vinyl & timber floor coverings (may be used under carpet & tile if quick covering time is required)
- ✓ Reinstatement of new or existing concrete floors subject to foot traffic, industrial equipment, and fork lift traffic or trolleys.
- ✓ Residential, commercial and industrial applications,
- ✓ Heavy industrial traffic
- ✓ Wet areas (not immersed)
- ✓ With under subfloor heating



APPLICATION INSTRUCTIONS

SUBSTRATE AND SURFACE PREPARATION

- Ensure the concrete substrate is clean and free from oil, grease, sealers, curing compounds, paints, polymer coatings, dust or other foreign (bond breaking) matter.
- Excess bitumen, adhesive or laitance should 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 Bostik UL Rapidset in accordance with Technical Data Sheet.

PRIMING

Prior to carrying out application the substrate must be primed with:

- **Porous Substrate:** Must be primed with **Bostik UL-Primer**
- **Non Porous:** Must be primed with **Bostik Ultra NP Primer**.
- For concrete substrates that contain greater than 5.5% moisture content or are subject to greater than 70% relative humidity, rising damp or moisture, it is recommended that **Bostik Moisture Seal** is applied as vapour barrier. Refer to the Moisture Seal Technical Data Sheet. Floors treated with Bostik Moisture Seal should be treated as a non-porous surface and primed with Bostik Ultra NP Primer.

POROUS FLOORS

Depending on the porosity of the substrate, **UL-Primer Concentrate** can be used neat or can be diluted 2:1 ratio (2 parts of water to 1 part concentrate).

- Apply **Bostik UL-Primer Concentrate** to the prepared substrate using a brush, broom or roller in accordance with the relevant Technical Data Sheet
- Allow primer to reach a tacky consistency. Approximate drying times for the tackiness is 40-60 minutes at 50% RH and 25°C

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 second coat
- Apply second coat of primer ensuring any ponded primer is brushed out to allow for even drying. Ensure tackiness is reached prior to application of UL-200

NON-POROUS FLOORS

Ultra NP Primer is supplied in a kit containing 2 litre- Part A and 2 litre- Part B. Ensure the two part solution is mix in accordance with the relevant Technical Data Sheet.

- Apply **Bostik Ultra NP Primer** to the prepared substrate using a brush, broom or roller in accordance with the Technical Data Sheet
- Allow the primer to dry. Approximate drying time is 2-3 hours at 50% RH and 25°C

MIXING

Bostik UL-200 requires 4.5 - 4.8 litres of potable water per 20 kg bag and is best mixed with a forced action, high shear stirrer, powered by a heavy duty electric mixing drill at approx. 600 r.p.m.

- Add pre-measured water to a clean mixing bucket
- Gradually add **Bostik UL-200** into the water whilst continuously mixing the contents of the bucket. When the entire contents of the bag have been added to the water, mix for a further 2-3 minutes to produce a smooth homogenous and fluid consistency.

CAUTION

DO NOT MIX BY HAND.

DO NOT ADD EXCESS WATER.

Discard any hardened or stiffened compound that has formed in the mixing bucket. Further addition of water will NOT reconstitute a useable mixture

APPLICATION

PLACING

Primed areas should receive the **Bostik UL-200** as soon as possible to avoid dust and surface contamination effecting adhesion of the **Bostik UL-200** to the Primer.

- Pour the mixed material on the primed substrate
- Depending on desired thickness, either allow material to seek its own level or spread the material with a steel trowel, spreader or squeegee. Keep the trowel slightly inclined to obtain desired thickness
- Pour the next mix of material. To ensure uniform consistency and flow application, it is advised that subsequent mixes are ready to enable continuous pouring
- For very large areas **Bostik UL-200** can also be applied using an automatic pump. (Consult Bostik for further information).

CURING

Protect the finished area against damage during curing.

To avoid too rapid drying protect from direct sunlight or drying winds during actual application, and while curing for up to 12 hours.

ADDITIVES

For heavy traffic, Industrial & commercial application or for placing over flexible substrates, Bostik recommends the addition of Megalastic. (Contact Bostik for further information)

COVERAGE

A 20kg bag of **Bostik UL-100** mixed with 4.8 litres of potable water will yield approximately 12 litres.

To determine the number of bags needed per m², use the formula:

$$\text{No of UL-100 bags} = \frac{\text{Floor Area (in m}^2\text{)} \times \text{Application Thickness (in mm)}}{\text{Mix Volume (in litres)}}$$

Note: The values are estimate only and do not include wastage.

IMPORTANT NOTES

- **Bostik UL-200** must not be used in areas subject to permanent wetting or where back water pressure is likely.
- **Bostik UL-200** is not designed as a wearing coarse, scratch coat or as a water-proofing agent, and should only be used as an underlayment.
- If substrate on to which **Bostik UL-200** is applied moves or cracks, reflective cracking will occur in the **Bostik UL-200**.
- For large and thick sections it is advised to check the moisture content of **Bostik UL-200** prior to application of floor coverings.
- Check concrete substrates for moisture content prior to application of **Bostik UL-200**. For new concrete surfaces, it is recommended must be at least 21 days old prior to application of **Bostik UL-200**.
- Do not mix by hand.
- Do not add excess water.
- If UL-200 is over-watered, do not place it onto the substrate. It must be discarded.
- In all cases, test areas must be performed to ensure suitability of the product for the intended use.

BOSTIK CO-OPERATIVE TEST PROGRAM

Bostik offer a service in which a program has been established to eliminate potential field problems by pre-testing Bostik products with samples of building materials to which the product will be applied. This service is available on large projects where pre-application testing will aid in determining the correct product. Consult a Bostik representative for further information.

PROPERTIES

COMPRESSIVE STRENGTH

Tested in accordance to ASTM C109-08, AS/NZS 2350.11

Age	Compressive Strength
5 hours	7-10 MPa
1 day	15 - 20 MPa
3 days	20 - 25 MPa
28 days	≥ 35 MPa

TENSILE ADHESION STRENGTH

Tested in accordance to ASTM C190

Age	Strength
1 day	≥ 2 MPa
28 days	≥ 4 MPa

SETTING TIME

Tested in accordance to ASTM C191-08

Initial Set	1.5 – 2 hours
Final Set	2 – 3 hours
Reflow time	10 – 15 minutes
Ready for foot traffic	2 – 3 hours
Ready for floor coverings	6 – 8 hours

WORKING TIME

Temperature	Times (minutes)
10°C	50 – 60 minutes
20°	30 – 40 minutes
30°	20 – 30 minutes

APPLICATION THICKNESS

Minimum	Feather edge
Maximum	25 mm

APPLICATION TEMPERATURE

Minimum	5°C
Maximum	30°C

FRESH WET DENSITY

2.05 Kg/m³ approx. (tested in accordance to AS1012.5)

WATER REQUIREMENT PER 20KG BAG

4.5 - 4.8 Litres.

STORAGE SHELF LIFE

Bostik UL-200 has a shelf life of 12 months in unopened bags. Must be stored in a cool dry elevated place and protected from humidity.

CLEAN-UP

Bostik UL-200 should be removed from tools and equipment with clean water immediately after use.

Safety PRECAUTIONS

SEE THE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.

EMERGENCY INFORMATION: 1800 033 111 (ALL HOURS)

MSDS can be downloaded from www.bostik.com.au

PACKAGING

Bostik UL-200 is supplied in a 20 kg poly lined bag

VOC – 1 g/Lt

voccertificates.australia@bostik.com

PRODUCT DETAILS

ITEM NO	ITEM NAME	SIZE	COLOUR
377716	UL-200	20 KG	GREY



BOSTIK PRODUCT GUARANTEE

This product comes with consumer guarantees that cannot be excluded under the Australian Consumer Law (ACL). In addition to your rights as a consumer under the ACL or other laws, Bostik guarantees the performance of this product for 10 years if the product is used within its shelf life and in accordance with the usage instructions printed on this packaging or the product's Technical Data Sheet available on our website. This 10 year guarantee specifically excludes any loss or damage caused by incorrect usage and covers the removal and replacement of the affected materials if the failure is proven to be directly related to Bostik products within the warranty period.

If you wish to make a claim under this guarantee you must within 2 weeks after first identification of damage notify us in writing using the details on this packaging.

You must provide evidence of your purchase and specify the batch number printed on the packaging. Bostik reserves the right to inspect any alleged failure and no responsibility will be accepted unless Bostik is given the opportunity to do so.

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Quality
ISO 9001

Quality

 endorsed ISO9001 (Thomastown site)
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