



UL SCREED

FLOOR PREPARATION

13 June 2017

DESCRIPTION

A fast setting high build modified cementitious levelling screed. Specially formulated for quick and easy application to achieve required falls without any shrinkage or cracking.

YOUR SMART ADVANTAGES

- Replaces the need for sand and cement mixing onsite.
- Single component – just add water.
- Rapid setting, shrinkage compensated to minimise cracking during cure.
- Can be walked on after 1 hour depending on site temperature and condition.
- Accepts waterproofing membrane after 4 hours @ 20°C.
- Most floor coverings can be applied after 24 hours
- Excellent bond strength to concrete and fc sheet substrate.

USES

- Externally balconies or in ramp applications
- Wet areas where controlled falls are required.
- Onto concrete and FC (Cement sheet) sheet substrate.
- Residential, commercial or medium industrial applications.
- As a system in conjunction with Bostik/ASA wet area internal waterproofing membranes.

PRODUCT CHARACTERISTICS

Age	Compressive Strength
1 day	7-15 Mpa
7 days	15-20 Mpa
28 days	20-30 Mpa

Age	Bond Strength
7 days	≈ 3Mpa
28 days	≈ 5Mpa

WORKING TIME

Initial Set	20°C	40-45minutes
	30°C	30-40minutes
Final Set	20°C	50-60minutes
	30°C	40-50minutes

APPLICATION THICKNESS

Temperature	Times (minutes)
10°C	Approx 60 minutes
20°C	40-45 minutes
30°C	30-40 minutes

SETTING TIMES Tested in accordance to ASTM C191-08

Minimum	25mm unbonded/bonded
Maximum	200mm unbonded/bonded

FRESH WET DENSITY 1950 kg/m3 approx.
(tested in accordance to AS 1012.5)

TRAFFIC TIME 20oC

Pedestrian Traffic Approx 60 minutes

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Time to cover with membrane/finished floor surface	4 hours
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APPLICATION TEMPERATURE

Minimum	5°C
Maximum	30°C

DRYING TIME

Time (days)	Shrinkage (Microstrain)
7 days	< 150 Microstrain
28 days	< 400 Microstrain
56 days	< 600 Microstrain

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 the Technical Data Sheet.
- If applying over particleboard, fibre cement sheets must be laid down over the particleboard.

Priming

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

- Porous Substrate: Must be primed with Bostik UL-Primer or ASA Multiprime
- Non Porous: Must be primed with Bostik PrimeGrip Non-Porous
- 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 PrimeGrip Non-Porous.

Porous Floors

Bostik UL-Primer is supplied in a concentrate form and should be diluted 2 parts water to 1 part UL-Primer.

- Apply the primer 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-Screed

Non-Porous Floors

Bostik PrimeGrip Non-Porous is supplied in a 7kg oval shape pail. It provides high strength film over impervious surfaces that will allow bonding of cementitious products such as levelling compounds, tiling, render, etc.

- Apply Bostik PrimeGrip Non-Porous 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 1-2 hours at 50% RH and 25°C

DO NOT APPLY UL-SCREED TO AN UNPRIMED SURFACE

MIXING

Bostik UL-Screed requires 2.0 - 2.5 litres of water (water demand varies depending to required consistency) 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-Screed 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 consistency.
- Bostik UL-Screed can also be mixed by creating a well in the middle of the product, gradually add pre-measured water mixing the product by shovel or trowel until a dry but moist workable mix is achieved. Transfer the mixed product into a clean container and carry and pour into recess.

CAUTION: 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

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Application Thickness

- 15-200mm Bonded
- 25 – 200mm Unbonded

If using Bostik UL – Screed as part of a wet-area system (e.g. shower recess), refer to Bostik's recommendations for waterproofing systems.

The following instructions are for use of Bostik UL-Screed in non-wet area flooring situation:

Placing

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

- Pour the mixed material on the primed substrate
- Level around the perimeter to a designated height.
- Using a trowel or float in conjunction with a spirit level, work the screed to a fall.
- The minimum screed thickness is 15mm (for bonded application) as per AS 3958.

COVERAGE

A 20kg bag of Bostik UL-Screed mixed with 2.5 litres of clean potable water will yield approximately 11.0 litres. Approximate coverage for various thicknesses is shown in the following table.

Thickness	Area m ² per 20kg bag
15mm	0.73 Bonded
20mm	0.55 Bonded
25mm	0.44 Unbonded / Bonded
40mm	0.26 Unbonded / Bonded
50mm	0.22 Unbonded / Bonded
100mm	0.10 Unbonded / Bonded
200mm	0.05 Unbonded / Bonded

Approximate yield - 91 bags per cubic metres.

Water Requirement per 20kg Bag

Maximum of 2.5 litres of water per 20kg powder. Water demand varies depending on site conditions and screed consistency requirements.

CLEANING

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

STORAGE AND SHELF LIFE

Bostik UL-Screed has a shelf life of approximately 12 months if kept in a dry environment completely away from moisture

IMPORTANT NOTES

- For large and thick sections it is advised to check the moisture content of Bostik UL-Screed prior to application of floor coverings.
- Protect from direct sunlight or drying winds during cure.
- Bostik UL-Screed is not designed as a wearing coarse, scratch coat or as a water-proofing agent, and should only be used as an underlayment.
- Prior to application over particleboard, fibre cement sheet must be laid.
- Can be used externally but not where continuous submersion is prevalent ie, swimming pools and ponds.
- Check concrete substrates for moisture content prior to application of Bostik UL-Screed. For new concrete surfaces, it is recommended must be at least 21 days old prior to application of Bostik UL-Screed.

Precaution Note:

When Bostik UL-Screed is being used as part of a waterproofing system, always refer to Bostik's recommendations for waterproofing systems; or consult with Bostik Technical Services prior to commencement of works.

ITEMS

Sap Code	Product	Size	APN Number
30605691	UL SCREED	20kg	9310492258775

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RECAUTIONS IN USE

Complete details on each of the products mentioned are available on the product Safety Data Sheets. To ensure no harm is caused to persons using Bostik products, it is recommended that all concerned read the appropriate Safety Data Sheets. Visit www.bostik.com/au for copies.

For emergency information contact the Poisons Information Centre, phone 131 126 or the Emergency Response Service, phone 1800 033 111.



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