



Technical Data Sheet

UL- Screed

Fast Setting, High Build Levelling Screed

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.

Application

Application Thickness

15-200mm Bonded

25 - 200mm Unbonded

Features

- 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.

Recommended 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.

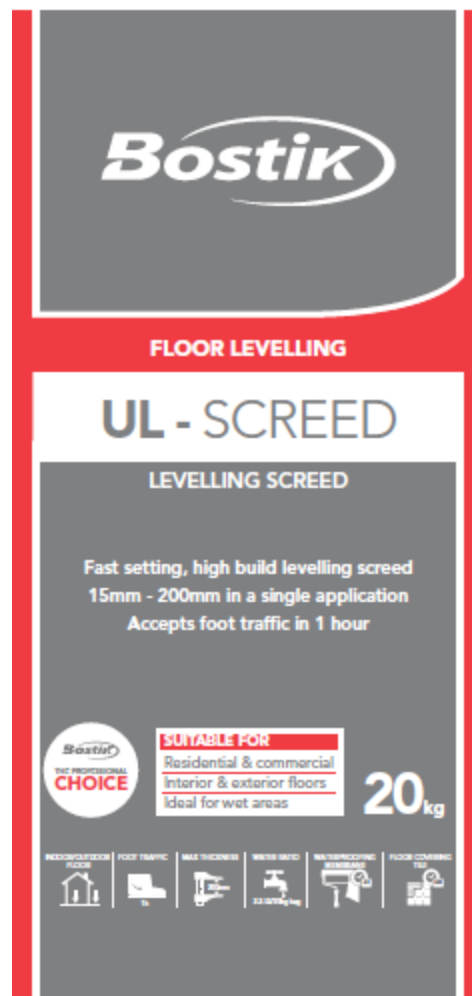
Application Instructions

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:

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 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

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 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

DO NOT APPLY UL-SCREED TO AN UNPRIMED SURFACE

Mixing

Bostik UL-Screed requires up to 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

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.

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.

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.

Performance Properties

COMPRESSIVE STRENGTH

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

Age	Compressive Strength
1 day	~ 20Mpa
3 days	~ 25Mpa
7 days	~ 27Mpa
28 days	~ 30Mpa

BOND STRENGTH

Tested in accordance to ASTM C190

Age	Strength
7 days	~ 3Mpa
28 days	~ 5Mpa

SETTING TIMES

Tested in accordance to ASTM C191-08

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

WORKING TIME

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

APPLICATION THICKNESS

In accordance to AS 3958 (Tiling Standards)

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

FRESH WET DENSITY

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

TRAFFIC TIME 20°C

Pedestrian Traffic	Approx 60 minutes
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

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.

Storage Shelf Life

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

Clean-Up

Bostik UL-Screed 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

voccertificates.australia@bostik.com

Packaging

Bostik UL-Screed is supplied in 20kg polylined bag

Product Details

ITEM NO	ITEM NAME	SIZE
378534	UL - SCREED	20 KG



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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