



## TECHNICAL DATA SHEET

- Coatings
- Curing
- Waterproofing
- Moisture Proofing
- Protection
- Repair Products
- Primers
- Repellent

# BossLevel Standard

## DESCRIPTION

**BossLevel Standard is a specially formulated floor levelling compound designed to achieve a smooth, flat surface for application of tiles, vinyl and floating floor systems.**

## AREAS OF APPLICATION

- Reinstatement of uneven concrete slabs and floors
- Rapid repairs with minimal downtime
- Levelling defective concrete that does not meet the requirements of after trades
- For commercial, domestic and light industrial applications
- As a general purpose economical underlayment for carpet, vinyl, tiles & timber floors

## FEATURES & BENEFITS

- Rapid drying - accepts foot traffic in 3-4 hours
- Ready to use - simply add water and mix
- Large areas can be reinstated in relatively short time periods
- Eliminates need for sand/cement screeds
- Can be applied from 2mm to 30mm in a single application
- Large areas can be applied with no cracking or delamination
- Floor coverings can be applied 24 hours after application

## APPLICATION INSTRUCTIONS

### SURFACE AND SUBSTRATE PREPARATION

All surfaces must be clean and free from grease, oil, paint sealers, curing compounds, dust or any material that will affect the bonding capabilities of the primer/levelling compound.

Foreign material such as bitumen, adhesive or coatings such as epoxy must be removed via mechanical means such as scabbling, captive shot blasting or grinding followed by vacuum to remove dust and dislodged material.

If large holes and cracks are present, fill with BossLevel standard mix with equal portions of medium grade dry sand.

All substrates must be primed with level hard primer or equivalent. Ensure concrete slabs are at least 14 days old prior to application of BossLevel Standard.

## PRIMING

Prime all prepared areas with an Level Hard primer or equivalent using a roller, brush, broom or spray application.

### DO NOT DILUTE WITH WATER

Apply Level Hard Primer at a coverage rate of 5-7 square meters per litre.

For extremely porous substrates, a second coat of primer may be required to eliminate air bubbles, pinholes and adhesive issues that may arise due to insufficient primer.

For very dense and non-porous substrates such as burnished concrete surfaces, it is recommended that Primeseal be used as the primer. For additional information contact Allcon Group.

### Concrete surfaces with high moisture content

For concrete surfaces that contain a moisture content of greater than 5% moisture or relative humidity greater than 75% or surfaces subject to rising damp or moisture due to hydrostatic pressure, it is recommended that Primeseal MC be used prior to application of BossLevel Standard.

A minimum of two coats of Primeseal MC must be used. Allow the first coat of Primeseal to cure before applying the second coat. Refer to Technical Data Sheet for Primeseal MC prior to application.

## MIXING

BossLevel Standard requires 4.5 - 4.8 litres of water per 20kg bag.

Accurately pre-measure the required water and add to the mixing bucket. Slowly add powder to the water whilst continuously mixing. Using an electric mixing drill with a high shear stirrer or spiral mixing paddle, mix the contents for 3-4 minutes ensuring a uniform homogenous consistency is obtained.

### DO NOT MIX BY HAND

DO NOT ADD EXCESS WATER: WATER LEVEL OF GREATER THAN 4.8 LITRES PER BAG WILL RESULT IN SEGREGATION AND BLEED AND A POWDERY SOFT SURFACE



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### MIXING CONT.

BossLevel Standard may be applied using a continuous automatic pump such as a Putznecht or Putzmeister.

Only mix the quantity of material that can be applied within the working time of the material. Apply BossLevel Standard immediately after mixing. Ensure subsequent mixes are ready to allow for continuous uninterrupted pouring on to the entire surface.

**DO NOT REWORK OR RETEMPER ANY PARTIALLY SET PRODUCT. DISCARD ANY MATERIAL THAT HAS STIFFENED, HARDENED OR CURED.**

### APPLICATION

Apply the mixed BossLevel to the prepared and primed substrate using a trowel, squeegee or screed bar to give the required finished thickness.

The maximum thickness applied in any application should be limited to 30mm. Consult Allcon technical staff for thicknesses greater than 30mm. Feather edging should be kept to a minimum.

### CURING

The application of a curing membrane or water is not necessary.

### TYPICAL PROPERTIES

Appearance	Grey powder / Grey when mixed		
Fresh Wet Density	1850kg / m3		
Application Temp	Minimum Maximum	5 °C 30 °C	
Setting Times Time for Expansion	Initial Initial	20°C 30°C	40min 25min
	Final Final	20°C 30°C	55min 35min
Application Thickness	2-30mm in a single application		



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### COMPRESSIVE STRENGTH

Age (Days)	Compressive Strength (MPa)	Flextural Strength (MPa)
1	10	3
3	15	5
7	25	8
28	28	9.5

### WORKING TIME

Temperature (°C)	Time (Mins)	Foot Traffic Time (Hrs)	Time to cover with floor coverings
5	60-70	10-12	48hrs
10	55-65	5-7	48hrs
15	45-55	4-5	24hrs
20	35-40	3-4	18hrs
30	25-35	2-3	10hrs

### COVERAGE / YIELD

Coverage obtained using 4.8 litres water per 20kg bag

Thickness	Area per m2 per 20kg bag
5mm	2.6
10mm	1.3
13mm	1.0
15mm	0.87
30mm	0.43

A 20kg bag of BossLevel will yeild 13 Litres.

### CLEAN UP

Wash all tools and equipment with fresh clean water immediately after use. BossLevel can only be removed mechanically.



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P: 1300 255 266  
E: sales@allcongroup.com.au

[www.allcongroup.com.au](http://www.allcongroup.com.au)

### STORAGE AND SHELF LIFE

BossLevel has shelf life of 9 months if stored in the original sealed packaging in dry, low humid environments.

### PACKAGING

BossLevel is supplied in 20kg poly lined bags.

### PRECAUTIONS

- BossLevel Standard is used as an underlay only and not designed as a wearing coars
- Do not add excess water
- New concrete must be minimum 14 days old
- If moisture content of slab is greater than 5%, apply Primeseal MC (moisture barrier) prior to application of BossLevel Standard
- Do not allow BossLevel to come in contact with water before or after the cure process
- If substate over which BossLevel is applied moves or cracks, reflective cracking will occur.
- Do not apply BossLevel in direct sunlight or drying winds as pre-moisture dry will occur and possible cracking may result
- Always use mechanical mixing to mix BossLevel Standard
- Feather edging should be kept to a minimum
- Allow a minimum of 3 days for cure at 20°C prior to subjecting to medium traffic
- Do not apply point loading on any area of the floor as cracking may occur. This will be predominant in sections less than 5mm thick.

### HEALTH & SAFETY

Avoid contact with skin. Protective gloves and clothing are recommended when mixing or using this product.

Please refer to the full MSDS (Material safety data sheet) for this product, which is available from Allcon on request.

### DISCLAIMER

Boss products are manufactured to the highest quality, and if used in the correct applications and in accordance with all directions, will produce quality and consistent results. However Allcon Group Pty Ltd accepts no responsibility for inappropriate usage or faulty workmanship by the end user.

Product: BossLevel Standard  
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