

# ULTRA LEVEL RAMP C920

## RAPID SETTING, HIGH STRENGTH POLYMER MODIFIED REPAIR MORTAR

21 OCT 2021

### YOUR SMART ADVANTAGES

- Accepts foot traffic in 2 hours
- Fast application, single operation
- Rapid curing
- Single component product, just add water
- Can be applied directly onto prepared concrete surfaces
- Most floor coverings can be laid after 4 - 6 hours
- Dimensionally stable, will not curl or crack
- Australian Made
- Reinstating large areas in relatively short time periods

### DESCRIPTION

A fast setting, high strength, polymer modified, shrinkage compensated floor repair mortar, ideal for most horizontal and vertical repairs.

Application thickness of 5mm - 120mm

### USES

- Heavy-duty floor underlayment repair prior to placing of overlay
- Floor repairs requiring reinstatement of area in short periods
- Residential and commercial floor repairs requiring high strength and fast setting
- Fast repairs of uneven concrete floors
- Residential, commercial and medium industrial application
- New construction and refurbishment projects
- Building up ramp areas prior to application of floor coverings

### PRODUCT CHARACTERISTICS

<b>Appearance</b>	Powder
<b>Colour</b>	Grey
<b>Age</b>	<b>Compressive Strength</b> Tested in accordance with AS10129.9, AS2073 at 20°C.
1 day	10-15 MPa
7 days	15-20 MPa
28 days	30 -45 MPa

### PRODUCT CHARACTERISTICS (cont.)

<b>Age</b>	<b>Flexural Strength</b> Tested in accordance with ASTM C348-86 at 20°C
1 day	3.5 MPa
7 days	7.8 MPa
28 days	10.0 MPa

### SETTING TIME

Vicat setting times at 20°C

<b>Initial Set</b>	60 - 90 minutes
<b>Final Set</b>	90 - 120 minutes

### TRAFFIC TIME 20°C

<b>Foot Traffic</b>	120 minutes
<b>Vehicle Traffic</b>	4 - 6 hours
<b>Time to cover with</b>	4 - 6 hours

### APPLICATION TEMPERATURE

<b>Minimum</b>	5°C
<b>Maximum</b>	30°C

**DRYING/SHRINKAGE** Tested in accordance with AS1012.13

<b>Time</b>	<b>Shrinkage</b>
7 days	< 150 Microstrain
28 days	< 400 Microstrain
56 days	< 600 Microstrain

<b>Bulk Density</b>	1.06 Kg/L
<b>Fresh Wet Density</b>	1950 kg/m <sup>3</sup> approx. (tested in accordance to AS1012.5)
<b>Coefficient of Thermal Expansion</b>	10 - 12 x 10 <sup>-6</sup> mm/°C

### PRODUCT INFO

<b>Product codes</b>		
30612791	20kg	Ultra Level Ramp C920
30608708	5L	Ultra Prime A510
30607467	7KG	Ultra Prime Grip A520

# Bostik ULTRA LEVEL RAMP C920

## 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.

### Priming

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

- Porous Substrate: Must be primed with **Bostik Ultra Prime A510**.
- Non Porous: Must be primed with **Bostik Ultra Prime Grip A520**.
- 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 ULTRA MOISTURE SEAL E500** is applied as vapour barrier. Refer to the Moisture Seal Technical Data Sheet. Floors treated with **Bostik ULTRA MOISTURE SEAL E500** should be treated as a non-porous surface and primed with **Bostik Ultra Prime Grip A520**.

### Porous Floors

**Bostik Ultra Prime A510** is supplied in a concentrate form and should be diluted 2 parts water to 1 part concentrate.

- Apply **Bostik Ultra Prime A510** 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 flooring 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 **Bostik ULTRA LEVEL RAMP C920**.

### Non-Porous Floors

**Bostik Ultra Prime Grip A520** 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 Ultra Prime Grip A520** 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.

## MIXING

**Bostik ULTRA LEVEL RAMP C920** requires 4.2-4.6 litres of water per 20 kg bag and is best mixed with forced action, high shear stirrer, powered by a heavy duty electric mixing drill at approx. 600 r.p.m. For smaller quantities, mix the ratio of 3 parts **Bostik ULTRA LEVEL RAMP C920** powder to 1 part clean water by volume.

- Add pre-measured water to a clean mixing bucket.
- Gradually add **Bostik ULTRA LEVEL RAMP C920** 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.

### 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

It is important to remember that **Bostik ULTRA LEVEL RAMP C920** has a very short working time. It is advisable to mix up only quantities that will be used within the working time and it is recommended to work in small areas.

When filling holes and cracks, work the **Bostik ULTRA LEVEL RAMP C920** into the hole well. Ensure the mix comes into total contact with the substrate, by applying firm pressure to the trowel. It is recommended to leave the repair proud of the hole or crack for about 20 minutes, then trim off the excess and finish off with a damp steel trowel. When smoothing larger areas, keep the trowel blade slightly inclined to achieve the desired thickness.

### Curing

No special curing is required. The addition of water to **Bostik ULTRA LEVEL RAMP C920** after it has started to stiffen is not recommended. Any **Bostik ULTRA LEVEL RAMP C920** that has not been placed whilst still fully fluid should be discarded.

### COVERAGE

A 20kg bag of **Bostik ULTRA LEVEL RAMP C920** mixed with 4.2 - 4.6 litres of clean water will yield approximately 12 litres. The approximate coverages shown below are obtained from a 20 kg bag if mixed in accordance with recommended procedures and accurately measured 4.2 litres of water per 20kg.

Thickness	Area m2 per 20kg bag
5mm	2.6
10mm	1.3
20mm	0.650
25mm	0.52
40mm	0.33
50mm	0.26
100mm	0.130

Yield 80 bags per cubic metre.

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## Important Notes:

- Do not over water.
- For large and thick repairs, it is advised to check the moisture content of **Bostik ULTRA LEVEL RAMP C920** prior to application of floor coverings.
- **Bostik ULTRA LEVEL RAMP C920** must not be used in areas subject to occasional or permanent wetting or where back water pressure is likely.
- Not recommended as a finished floor coating or wearing surface or external applications.
- Check concrete substrates for moisture content prior to application of **Bostik ULTRA LEVEL RAMP C920**. For new concrete surfaces, it is recommended must be at least 21 days old prior to application of **Bostik ULTRA LEVEL RAMP C920**.

## 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.

## CLEAN-UP

**Bostik ULTRA LEVEL RAMP C920** should be removed from tools and equipment with clean water immediately after use.

## STORAGE SHELF LIFE

**Bostik ULTRA LEVEL RAMP C920** has a shelf life of approximately 12 months if kept in a dry environment away from moisture. For further information consult Bostik TECHNICAL DATA SHEET.

## PACKAGING

**ULTRA LEVEL RAMP C920** is supplied in 20kg polylined bag

## VOC

SCAQMD VOC % <1  
US RULE 1168 VOC g/L <1

## PRECAUTIONS 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/australia](http://www.bostik.com/australia) for copies.

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

BOSTIK HOTLINE

Smart help 1800 267 845



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