

# Bond

# **BONDSEAL**

Acrylic Polymer Cementitious Coating

## **Product Description**

**BondSeal** is a 2-component acrylic polymer cementitious coating for repair and resurfacing all kind of concrete surfaces. It is specially formulated for hard wearing surfaces with good skid resistance property. **BondSeal** has good **water absorption** property which minimize water seepage problem. It is also **anti-fungus** and **anti-algae**. **BondSeal** can be laid at a thickness of 3mm.

## **Feature & Benefits**

- Easy application with minimal disruption
- Eliminates the arduous task of hacking
- Finished surface is fuel, oil, diesel, water and chemical resistant
- Provides a strong, wear resistant surface
- Excellent workability, easy trowel
- Excellent bond on properly prepared sound substrate
- Anti-skid and adheres well to most surfaces

## **Application Range**

- For repair of all concrete surfaces
- Car Park, Void Deck, Apron, Drains, Pavement, Ramps, Corridor, etc.
- Repair to damaged surfaces and potholes of Industrial Floors
- Raising floor levels to a particular requirement

## **Specification Clause**

The acrylic polymer cementitious coating shall be **BondSeal** – supplied by **B-Team Construction Supplies Pte Ltd.**

## **Application Notes**

### **Packaging**

- 30kg set**
- 5.0 Litre Polymer (Part A)
  - 25 kg Powder (Part B)

### **Shelf Life**

Storage must be in dry conditions, raised above floor level and at temperature range of between 5°C and 30°C. The usable shelf life shall be approximately 9 months.

### **Coverage**

Coverage will depend on the condition of the floor. The estimated coverage will be 1.6kg per m<sup>2</sup> per mm thick.

### **Substrate Preparation**

The substrate must be free from all contaminants (dust, oil, grease) and all loose materials must be removed and cleaned.

### **Priming**

Prime with **Bond Primer**

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## **Mixing**

Mix **BondSeal** (Part B) to 5 Litre of Polymer (Part A) in a clean container with a mechanical mixer at a slow speed, stir till the right consistency is achieved (2-3 minutes mixing time). Pour and lay **BondSeal** using a metal trowel to smoothen the material up to a thickness of 3mm in one operation. For anti skid surface, brooming method is used.

## **Drying Time**

Prevent draughts across the floor to avoid localized premature drying. At ambient temperatures, **BondSeal** will appear to be dry after approximately four hours. Full setting time at 24 hours.

## **Safety Data**

As with all chemical products, care should be taken during use and storage to avoid contact with eye, mouth, skin and foodstuff (which can also be tainted with vapour until the product is fully cured or dried). Should it come into contact with eyes wash immediately with plenty of water and seek medical treatment.

## **User Notes**

The technical details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge and experience at time of printing. It is the responsibility of the user to ensure that the products are used in accordance with BondTact's instructions and in applications for which they are intended.

## **Properties**

Compressive Strength	≥ 48 N/mm <sup>2</sup>
Flexural Strength	≥ 15 N/mm <sup>2</sup>
Tensile Strength	≥ 5 N/mm <sup>2</sup>
Skid Resistance	≥ 60 BPN
Taber Abrasion Resistance	≤ 1.30g
Shear Bond Strength	2.2 N/mm <sup>2</sup>
Water Penetration	≤ 5mm
Water Absorption	≤ 5.5%
UV accelerated weathering	No cracking, softening or
a) 500 hrs	Delamination after exposure
b) 1000 hrs	
Setting time	~ 4 Hours
	Full setting time @ 24 hours