

Bond

BONDSEAL COATING SYSTEM

A High-Strength High-Performance Protection Solution

Product Description

BondSeal Coating System is a high-performance, two-component, epoxy-modified acrylic solution designed to deliver long-term durability on concrete, metal, and asphalt surfaces. The system combines a water-based epoxy primer with a water-based acrylic-epoxy hybrid topcoat, creating a low-VOC coating that offers extended pot life, rapid drying and excellent hardness development.

With superior adhesion, UV stability and abrasion resistance, BondSeal Coating is purpose-built for high-traffic public and commercial environments. The system enhances surface safety by delivering exceptional wet slip resistance when applied with the recommended silica sand or recycled glass infill aggregates.

Feature & Benefits

- **Durable Performance:** High abrasion resistance and strong adhesion to concrete and metal substrates
- **UV Resistant:** Excellent colour stability under accelerated weathering tests
- **Slip Resistance:** Classified P4 (low risk of slipping in wet condition)
- **Stain Resistant:** Resistant to common stains such as oils, coffee and rubber marking
- **Low VOC & Water-Based:** Safer application with reduced environmental impact
- **Fast Application:** Short recoat times and rapid readiness for traffic

Application Range

- Bicycle lanes
- Industrial flooring, Pedestrian walkways and roads
- HDB Void decks, Corridors, Common Areas
- Other concrete and asphalt surfaces requiring durable coloured protection

Technical Properties

Colours	Grey, Custom colours available
Finish	Satin-matte, surface texture determined by choice of aggregate
Coverage	~ 6 m ² /L per coat (primer and topcoat)
Skid Resistance	≥ 53
Stain Resistance	Class 5 (Used Engine Oil, Olive Oil, Coffee with Milk, Black Rubber Hose)
Tensile Adhesion Strength	3.1 N/mm ²
Abrasion Resistance	0.08mm
QUV Accelerated Weathering	No crack, softening or delamination was observed
Colour Steadfastness after UV Accelerated Weathering for 1000 Hours	No blistering, cracking, chalking or other defects

B-TEAM CONSTRUCTION SUPPLIES PTE LTD

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Application Notes

Surface Preparation

The substrate must be properly prepared to ensure optimal adhesion and performance:

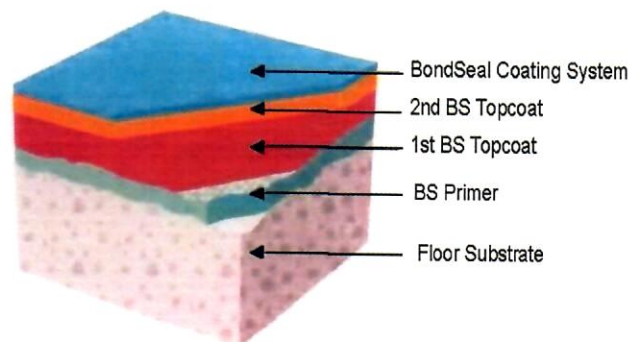
- Surfaces should be clean, dry, and free from dust, loose particles, oil, grease, or other contaminants
- Concrete substrates must be fully cured before applications

Primer Coat Application

- Mixing: Combine BS Primer Part A and Part B using a mechanical mixer until a homogeneous, uniform consistency is achieved
- Application: Apply the mixed primer evenly onto the prepared substrate using a roller or brush, ensuring complete wetting and uniform coverage
- Curing: Allow the primer coat to cure for 1-2 hours until touch-dry before applying BS Topcoat layers

Topcoat Application

- Mixing: Thoroughly combine BS Topcoat Part A, Part B and recycled glass beads or silica sand using a mechanical mixer until a homogeneous, uniform consistency is achieved
- Application: Once the primer is touch-dry, apply the first topcoat layer evenly using a roller
- Curing Between Coats: Allow the first coat to cure for 1-2 hours before applying the second coat to ensure optimal coverage, durability, and overall system performance



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