

Cemseal BR

Liquid Applied Seamless Flexible Waterproofing Coating

cemseal[®]
Your Construction Chemical Partner

The Product

Cemseal BR is a specially formulated single component black liquid applied seamless elastomeric flexible waterproofing materials for the waterproof to all masonry and concrete.

Cemseal BR has excellent crack bridging property.

Cemseal BR fills and seals pores and voids for total protection against dampness and moisture penetration. It seals above and below grade on any masonry wall internally or externally against water and dampness. Protection against water damage, erosion, frost, spalling and weathering. Stop leaks on all kinds of cement based substrates.

Cemseal BR provide strong adhesion, high water-tightness and keep water out of lift pits and machinery. It penetrates deep into pores of masonry and concrete, bond tightly whilst still permitting water vapour transmission.

Uses

- ◆ New or old masonry and concrete
- ◆ Basement walls & slab
- ◆ Terraces and balconies
- ◆ Tanking to basement foundation and retaining walls against aggressive soil and water.
- ◆ R.C. gutter and flat roof
- ◆ R.C. planter box and canopies
- ◆ Bathrooms, kitchen and services yards.
- ◆ External decks, landscaped area.
- ◆ Indoor floor damp-proofing & crack bridging.

Advantages

- ◆ No mixing required
- ◆ Very economical
- ◆ Easy application, by brush or trowel or roller
- ◆ Flexible and elastic property
- ◆ Applied on damp substrate - walls and floors
- ◆ Excellent adhesion to all sound and prepared substrates such as concrete, mortar brickwork.
- ◆ Water based & environmental friendly.
- ◆ Fully bonded to substrate, water cannot flow underneath to the membrane.
- ◆ Compatible for use with moisture vapour barrier.
- ◆ Fast drying time.
- ◆ Can be tiled over without fracture.

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Technical & Physical Data

Colour	Black Liquid
Resin	Modified rubber
Packaging	20 kg/pail
Specific Gravity	1.05
Softening Point	120°C
Elongation at break	750%
Adhesion to concrete	1.0N/mm ²
Fire Resistance	Non-flammable
Application Temperature	10°C to 75°C
Shelf Life	12 months of kept in a cool dry sheltered place

Method of Statement

Substrate Preparation

- ◆ The surface to receive Cemseal BR liquid applied waterproofing system shall be structurally sound and shall have a light steel-trowel followed by a fine hair broom or equivalent finish.
- ◆ The surface shall be dry, clean, even and free of cavities.
- ◆ All protruding tie rods and steel reinforcement shall be cut down to at least 25mm depth from the surface and shall be patched with an approved repair mortar.
- ◆ All surface preparation shall be by the Main Contractor unless otherwise stated.
- ◆ All voids, cracks and fillet edges, shall be repaired to ensure the surface is sound, even and clean.
- ◆ Interface between metal flashing and concrete may be sealed with Cemseal BR reinforced by imbedding a wide strip of fiberglass matt.
- ◆ The applied waterproofing should be kept damp with mist spray if the weather is exceptionally hot and dry or cover with shed to avoid accelerated drying.

Application

- ◆ All cracks and joints shall be sealed with Polyurethane sealant, which is compatible with Cemseal BR. All shrinkage & non-moving structural cracks under 2 mm shall be pretreated with Cemseal BR membrane extending at least 100 mm on each side of the crack.
- ◆ Apply a minimum of two coats by a brush, roller or squeegee with a coverage of 1.00kg/m²/coat. The application shall be done in a criss-cross manner between coats.
- ◆ Over coating shall be done after each coat is dried for approximately 4 hours or more.
- ◆ Apply uniform in a continuous film to avoid thin spot. Care must be taken to ensure that pinholes and potholes are separated treated.
- ◆ Allow at least 48 hours curing of the finished coat (subject to touch dry) before laying screed or tiling. Water ponding test can be conducted after the same duration.

Others Application

To consult the local Cemseal's representative.

For Further Information	Cemseal Industries Sdn Bhd (Company No. 884153-T) No. 9 & 11, Jalan Besi, Taman Sri Putri, 81300 Skudai, Johor, West Malaysia. Tel : 607-558 3320, Fax : 607-556 9127, E-mail : info@cemseal.com.my
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