

# Cemseal SA

Cold Applied Self Adhesive Waterproofing System

**cemseal**<sup>®</sup>  
Your Construction Chemical Partner

## The Product

Cemseal SA is a cold applied, self adhesive and self sealing layer of rubberized bitumen protected by film of polyethylene.

Cemseal SA Waterproofing System is a combination of a bitumen primer and preformed & high performance waterproofing membrane that effectively waterproofs horizontal and vertical surfaces.

Cemseal SA is designed for use as a water and vapour barrier in all unexposed waterproofing applications.

The physical properties of Cemseal SA will remain stable over time and under severe weather conditions. Adhesive side is protected by removable release paper.

## Uses

- » Retaining walls
- » Basement walls & slab
- » Foundation slabs & vertical foundation walls
- » Waterproofing of plaza decks and landscaped areas.
- » R.C. planter box and canopies
- » New or old masonry and concrete
- » Refurbishment to Existing Roofs
- » R.C. gutter and flat roof
- » Terraces and balconies
- » Mild steel pipes

## Advantages

- » Self adhesive
- » Self sealing edge for overlaps
- » Good elasticity and durable.
- » Easily applied to wall and underground structures
- » Excellent adhesion to all sound and prepared substrates such as concrete, mortar brickwork
- » Resistant to atmospheric pollutants and chemical environment.

## Limitation

- » It is not compatible with tar, PU or Polysulphide.
- » It could not be applied onto the damp or wet substrates.
- » It should not be applied to uncured concrete and masonry substrates.
- » This is not designed for exposed applications, it must be protected with either flashing or toppings as the case may require.
- » Should not be applied when air temperatures below 5°C or above 35°C.

**Cemseal Industries Sdn Bhd**  
(Co. No.884153-T)  
9 & 11, Jalan Besi,  
Taman Sri Putri,  
81300 Skudai, Johor,  
West Malaysia

T +607-558 3320  
F +607-556 9127  
E [info@cemseal.com.my](mailto:info@cemseal.com.my)

## **Technical & Physical Data**

Compound Thickness	1.50 mm
Length x Width	15.00 m x 1.00 m
Elongation	> 450%
Tensile strength longitudinal	2.0 N / mm <sup>2</sup>
Tensile strength transversal	2.1 N / mm <sup>2</sup>
Softening Point	98 <sup>o</sup> C
Puncture Resistance	120N
Vapour Transmission rate	0.07 g / m <sup>2</sup> / hr

## **Method of Statement**

### **Substrate Preparation**

- » On new roof installation, a screed made of normal concrete shall be poured onto the substrate at a recommended slope ranging from 1-5% between 25-50mm thickness to achieve gradient and crossfalls.
- » Existing roof system shall be thoroughly inspected and prepared to provide a structurally sound, smooth, dry substrate for the attachment of Cemseal SA Membrane.
- » 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.

### **Application**

- » Areas where the membrane is to be installed must be treated with a layer of Bituminous primer to provide good bonding between the membrane and the substrate.
- » Starting from the lowest point where the drainage outlet is positioned.
- » Cemseal SA should be protected within 5 days of installation from the damages which may be caused by backfilling, steel reinforcing, trade traffic, contraction equipment and materials.
- » The protective board such as water resistant particle boards, plywood, fibrocement or any other proprietary protective board must be used.
- » Weather resistant flashing must be used to cover any portion of membrane left exposed, such as in skirting, parapets and top of foundation walls. The membrane must be thoroughly inspected to ensure there are no punctures or tears.

### **Others Application**

To consult the local Cemseal's representative.

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<b>For Further Information</b>	<b>Cemseal Industries Sdn Bhd (Company No. 884153-T)</b> 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
<b>First Aid</b>	In case of contact with eyes, skin or body wash immediately with clean fresh water or stand under shower and wash off. In case of inhaling of vapor or ingestion remove to fresh air and do not induce vomiting. <b>Obtain immediate medical treatment.</b>
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