

# Cemseal Flex

Highly Flexible Cementitious Waterproofing System

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

## The Product

Cemseal Flex is a specially formulated two components flexible cementitious waterproofing materials for the waterproof to all masonry and concrete.

Cemseal Flex has excellent weather resistance and crack bridging property.

Cemseal Flex 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 containers or tank.

Cemseal Flex is suitable for both walls and floors of swimming pools and concrete reservoirs.

Cemseal Flex 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
- ◆ Bathrooms, Toilet, Yard and kitchen
- ◆ Swimming pools and pool decks
- ◆ Water tanks and reservoirs
- ◆ Terraces, balconies and canopies
- ◆ R.C. gutter and flat roof
- ◆ Basement walls & slab
- ◆ Retaining walls
- ◆ R.C. planter box
- ◆ Foundation slabs

## Advantages

- ◆ Pre-packed for accurate on-site mixing
- ◆ Very economical
- ◆ Easy application, by brush or trowel or roller
- ◆ Flexible and elastic property
- ◆ Applied on damp walls and floors
- ◆ Excellent adhesion to all sound and prepared substrates such as concrete, mortar brickwork.
- ◆ Slurry or trowellable consistency
- ◆ Non-toxic - suitable for contact with drinking water
- ◆ Non-corrosive to steel and iron
- ◆ Can be over painted

**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

## **Technical & Physical Data**

Colour	Component A	: Powder / Grey
	Component B	: Liquid / White
	Component A + B	: Slurry / Grey
Packaging	Component A	: 25 kg/bag
	Component B	: 18 kg/pail
Tensile Strength (ASTM D 412)	1.19N/mm <sup>2</sup>	
Elongation at break % (ASTM D 412)	250%	
Crack Bridging	1mm	
Water Vapour Transmission (WVT) (ASTM E96, Clause 4.2)	1.4g/h.m <sup>2</sup>	
Suitability for Using in Contact with Water Intended for Human Consumption	Complied with requirement of BS 6920:Part 1:Clause 5,6,8	
Pot Life at 30°C	25 minutes	
Shelf Life	12 months of kept in a cool dry sheltered place	

## **Method of Statement**

### **Substrate Preparation**

The surface to receive Cemseal Flex highly flexible cementitious 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 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.

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**

Mix part A and part B in a clear container with a power stirrer until a homogeneous blend is achieved.

Minimal amount of water may be added to ease application only when necessary. Small amount may be hand-mixed separately.

Apply a minimum of two coats by a bristle brush, broom or roller with a coverage of 1.00kg/m<sup>2</sup>/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 2 hours or more.

It is recommended to keep each coat at a wet film thickness of 1mm and no more than 1.5mm

Allow at least 18 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.

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#### **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

#### **First Aid**

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. **Obtain immediate medical treatment.**

#### **Statement of Responsibility**

The technical information and application advice given in this Cemseal publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user, is responsible for checking the suitability of products for their intended use.

#### **Note**

Field service where provided, does not constitute supervisory responsibility. Suggestions made by Cemseal either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Cemseal are responsible for carrying out procedures appropriate to a specific application.

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