

Cemseal 3P / Cemseal 4M

High Performance Torch Application Waterproofing System

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Your Construction Chemical Partner

The Product

Cemseal 3P / Cemseal 4M is high performance plastoelastomeric modified bitumen waterproofing membrane consisting of visco - elastic resins and inert filler, reinforced with spunbond polyester carrier.

Available in :-

- » **Cemseal 3P**
Sanded finish 3.0kg/m²
- » **Cemseal 4M**
Mineral finish 3.5kg/m²
UV barrier increasing product life
Reduces spread of flame

Uses

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

Advantages

Plastoelastomeric modified bitumen compound :

- » Good elasticity and durable.
- » Resistant to atmospheric pollutants and chemical environment.
- » Cold flexibility 5° C
- » Excellent adhesion to all sound and prepared substrates such as concrete, mortar brickwork

Non-woven polyester carrier :

- » Gives mechanical strength
- » Accommodates thermal stress.
- » Provides dimensional stability.
- » Good puncture resistance

Mineral chip finish

- » Minimize UV heat and radiation.
- » Prolong life of membrane.
- » Good UV resistance

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Technical & Physical Data

<u>Characteristics</u>	<u>Cemseal 3P</u>	<u>Cemseal 4M</u>
Softening Point	140°C	140°C
Weight	3kg/m ²	3.5kg/m ²
Length	10mr	10mr
Width	1mr	1mr
Surface Finishes -Lower	Torch Film	Torch Film
Surface Finishes -Top	Sand	Slate Chips

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 3P / 4M Torch On 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 voids, cracks and fillet edges, shall be repaired to ensure the surface is sound, even and clean.

Application

- » For fully bonded applications, the 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.
- » For loose laid applications, the overlaps must be carefully sealed by torching. The membrane must then be adequately ballasted against wind uplift.
- » Starting from the lowest point where the drainage outlet is positioned. Cemseal 3P / 4M Torch On membrane is unrolled from its original packaging and placed in the correct position where it will be torched later.
- » The membrane is then re-rolled without changing its original alignment. It is slowly unrolled again and whilst unrolling, the burn-off film on the underside of the membrane is heated by a propane gas torch at controlled temperature causing surface changes and subsequent adhesion to the substrate. All overlaps, edges and end seams must overlap by at least 75mm and shall be formed to shed water.
- » The bitumen compound coming out from the lightly pressed heated overlap of the membrane is carefully leveled by spreading it on the lap with a heated round trowel to form a sealing bead.

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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