



# SEALPROOF FCW

## FELEXIBLE CEMENTITIOUS WATERPROOFING

### Product Description

**SEALPROOF FLEXIBLE CEMENTITIOUS WATERPROOFING (FCW)** is a two component flexible cementitious waterproofing membrane. It consists of selected cement blend with well-graded fillers and synthetic resin. It could be applied unto damp substrates by brush, roller or spray. Sealproof FCW is capable of bridging hairline cracks.

### Features

- Flexible, durable and weather resistant
- Excellent adhesion to most substrates
- Excellent waterproofing abilities
- Breathable membrane – permeable to water vapor and yet impermeable to water
- Bridge hairline cracks
- Pre-packed - easy to mix and apply
- Can be applied onto damp surface
- Able to withstand light foot traffic
- Algae & fungus resistance

### Application areas

- Basement walls
- Reservoirs, sumps, planter boxes, culverts, canal, water retaining structures, etc.
- Swimming pools and features
- Kitchen and toilets
- Domes and concrete structures
- Roof decks and balconies
- Fire wall

### Processing Data

Mix Ratio (by volume)	1:1.3 Liquid: Powder	
Gel Time	45 minutes	
Coating Interval	Min.	2 hours
	Max.	12 hours
Full Cured	24 hours	
Rain Stability Time	4 hours	
Pot Life	1 hour	
Shelf Life	12 months at room temperature	

### Technical / Performance Data

Colors	Cement Gray
Elongation	150-180% ASTM D412
Hardness	Shore A 40 ASTM D2240
Tensile Strength	1.1 Mpa ASTM D412
Tear Strength	16.2 N/mm ASTM D624
Concrete Adhesion	0.3 N/mm <sup>2</sup>
Light-Heavy Pedestrian Traffic Time	4 hours cure time Conditions: 20°C, 50% R.H.
VOC	1.80 g/L ISO 11890 - 2 Method
Crack Bridging	1-2mm cracks ASTM C836
Water Vapor Transmission	10.2 g/m <sup>2</sup> day ASTM E96
Hydrostatic Pressure	No Rapture DIN 16726
Thickness	1mm DFT Required

### Procedure & Guidelines

#### SURFACE PREPARATION GENERAL

All surfaces must be thoroughly cleaned to remove dirt, grease, mill scale, loose rust, chalk, and any other contaminants that can reduce adhesion.

#### CONCRETE / MASONRY

Cure for at least 28 days before application. Remove loose or excess mortar, efflorescence, laitance and concrete form release compounds that reduce adhesion. Etch or abrasive blast polished or glazed concrete before use on floors.

#### PREVIOUSLY PAINTED SURFACES

Scrape loose, scaly, peeling paint and sand the edges smooth. If the paint is glossy, sand to dull the surface. Remove any rust and scale from ferrous metal. If mildew is present, remove completely by sterilizing the surface with mildew remover and detergent. Rinse well and allow to dry before painting.



## SEALPROOF FCW

### MIXING

Pour Part A (liquid) into a clean container. Slowly add Part B (powder) into the container and mix with a slow speed mechanical mixer until homogenous and lump free. Allow the mix to stand for 5 minutes and re-stir manually before use.

### APPLICATION

For best results, damp the surface before coating with Sealproof FCW. For horizontal and vertical surfaces, a roller or brush may be used to apply the slurry. Care must be taken to ensure that air is not entrapped in the membrane.

Apply the first coat and work generously to fill all the pores and honeycombs. Allow the membrane to dry approximately 2 to 4 hours prior to application of the second coat. The second coat must be applied crosswise.

After applying the second coat of waterproofing membrane, allow a minimum curing time interval of 15 – 72 hours before laying the screed and commencing ponding test. Should ponding test exceed 4 hours, a minimum curing time interval of 72 hours is recommended.

### Theoretical Coverage

#### SEALPROOF FCW at 2 coats

- 1.75 kgs/m<sup>2</sup> at 1mm thickness
- 2.0- 2.25 kgs/m<sup>2</sup> at 1.5mm thickness
- 3.0- 4.0 kgs/m<sup>2</sup> at 2.0mm- 2.5mm thickness

Note: Above coverage are depending on the substrates per layer

Product is manufactured based on International Environmental Regulations

SEALPROOF FCW is a green revolution product in waterproofing solutions.



### Health & Safety

Please wear rubber or plastic gloves to avoid contact with skin. Please refer to MSDS for other safety information. Product is for Professional use only.

### Storage/ Packaging

SEALPROOF FCW is available in 35 kg per pack

- Part A (liquid) 17 kg
- Part B (powder) 18 kg

This product must be stored dry, protected from sun and rain. No waterproofing works should be performed if weather is unsuitable.

### Additional Information - Disclaimer

The information and in particular, recommendations relating to the application and end-use of Sealbond products, are given in good faith based on Sealbond's best knowledge and specialty on construction chemical formulations. Products are properly stored and handled in accordance with Sealbond's endorsements. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. In practice, to different materials used, as well as varying working conditions and environments beyond our control Sealbond Chemical Industries Inc. strictly recommend carrying out intensive trials to test the suitability of the product with regards to the required processes and applications. Therefore, any liability for such recommendations or any oral/verbal advice is expressly excluded unless we have acted wilfully or by gross negligence. Sealbond Chemical Industries Inc. is not liable for installation or faulty installation. It is always the responsibility of the installer/applicator/purchaser to guarantee and certify the installation of materials.

All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the Product Data Sheet for the product awareness, copies of which will be supplied on request and is free of charge.



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