

## DESCRIPTION

Two Component Elastomeric and Highly Flexible Cementitious Waterproofing Membrane, Composed of Portland Cements, Silica Sands and Modifying Agent.

## USES

**BAYPROOF 2KCF®** Is Applicable for:

- Damproofing
- Exterior Masonry
- Under Tiles and Ceramics
- Water Tanks
- Retaining Walls
- Foundations
- Swimming Pools
- Wet areas, Balconies
- Terraces

## ADVANTAGES

- Non-Toxic
- Excellent Adhesion Characteristics
- Anti-Carbonation @ 1mm
- Freeze Thaw Resistant
- Resistant to Carbon Dioxide
- Resistant to Chloride Diffusion
- Pedestrian Light Traffic Approved
- Low VOC

## COMPLIANCE

Complies With EN 1504 & EN 14891, BS 1881-122, BS 6920 Part 1, ASTM C 836, ANSI A118.4 & ANSI A118.1, IB Code 2015, Section 803.1.1 BS 6920 Migration Test – Approved For Potable Water Green Building Regulations And Specifications Clause 404.02

## MATERIAL DATA

<b>Type</b>	Cement Base
<b>Form</b>	Dark Grey   Light Grey   White
<b>Packing</b>	16.5kg powder + 5.5kg Liquid pack (UAE) 15Kg & 25 Kg Kit (Lebanon)
<b>Application</b>	Brush, Roll, Trowel or Airless Spray Machine
<b>Storage</b>	12 month in unopened packaging, between 5°C and 35°C

## TECHNICAL DATA

Property	Value	Test Method
Wet Density	1.80 ± 0.05	S.G Cup
Adhesion	>1.5 N/mm <sup>2</sup>	ASTM D 4541
Tensile Strength	1.5 N/mm	ASTM D 412
Pull of Test (concrete surface)	>0.5 N/mm	BS 1881:207
Elongation at Break	>70%	ASTM D 412
Compressive Strength @ 28 days	>35N	BS EN 196-1-1995
Resistance to Bacteria	No Attack	ASTM D 4783
Resistant to Algae	No Attack	ASTM G 29
Permeability @ 7 Bar	Nil	BS EN 12390
Pliability	No Cracks	ASTM D 146 cls 14
VOC	<30g/l	USPA 24
Crack Bridging	>3.0mm	ASTM C 1305
Water Vapor Transmission	0.49 g/hr-m <sup>2</sup>	ASTM E 96-95
Flame Spread Index (FSI)	0.00 Class A	ASTM E 84, UL 723
Smoke Developed Index (SDI)	0.00 Class A	ASTM E 84, UL 723
Service temperature	-5°C to 80°C	

## APPLICATION DETAILS

### Surface Preparation

Substrate should be sound, clean and free from dirt, dust, laitance and all loosely adhering particles. Absorbent cement-based surfaces should be thoroughly saturated with water to achieve surface saturated dry condition. All cracks larger than 1mm should be filled with cement base concrete repair.

### TYPICAL APPLICATION

Apply 2 coats **BAYPROOF 2KCF®** at 0.7-1.0mm thickness Per coat directly to the prepared substrate with a recoating period of 4-6 hours.

**Mixing:** **BAYPROOF 2KCF®** Should be mixed with a slow speed mixer, by adding the powder over the liquid. Mixing should achieve a homogeneous finish within 2-3 min.

**Application Instruction:** apply the mix using a notched trowel, Brush, roll or airless spray and spread the product evenly over the area. Apply two coats in order to avoid pinholes.

**Reinforcement:** Polypropylene or alkali resistant glass fiber mesh could be applied as reinforcement across all construction joints and cracks.

**Damproofing:** Apply 2 coats of **BAYPROOF 2KCF®** at a rate of 0.5 mm per coat over 2 coats with 4-6 hours recoating period.

### METHOD OF MIXING:

- Pour the powder part over the liquid steadily
- Use a Slow Speed Mixer while pouring the powder over the liquid
- Achieve homogeneous Mix within 3 min

### THEORETICAL SPREADING RATE

1.8Kg/m<sup>2</sup> @ 1mm DFT  
Minimum 2 coats are required

### CURING

Touch Dry: 1-2 hours from the Final coat applied  
Initial curing: 2-4 days from the date of final application

Full Curing: 5-7 days from date of Final Application

Note: Curing Mechanism strictly relies on weather conditions and thickness applied

## SAFETY

### Protection Measures

**BAYPROOF 2KCF®** is Cement based and there is risk of cauterization in the event of contact with the eyes; will lead to dehydration and thereof irritation in case of contact with skin. So while mixing and applying the product, protect with safety goggles and protective gloves

- Splashes to skin must be washed off with water and Soap
- Splashes to the eyes must be rinsed with clean warm water. Seeking medical attention is highly recommended and mandatory

## TRANSPORTATION

### Non-Hazardous Material

## REMARKS

**BAYPROOF 2KCF®** Should be applied on wet rinsed substrate not immersed in water.



Update the Technical Data sheet By scanning the QR code



## Important Notice:

*The above data is based on our experience and extensive laboratory tests. It may be considered to be a general advice only and cannot be granted to meet the requirements for all the intended uses. It is the responsibility of the end user to ensure that the product is suitable for the purpose for which he wishes to use it. In view of many varying factors that are encountered during the application of the product it does not exclude the end users from not conducting their own test before actually using the product. We are thus only responsible for the quality of the product itself and not responsible for its performance, nor would we accept any liability whatsoever or howsoever arising from the use of this product. Any such matters should be specifically agreed to in writing by us. Bayshield reserves the right to modify the contents of the data sheet from time to time without notice as a system requirement in updating our products from time to time.*