

2KCF Flexible Cementitious Waterproofing

DESCRIPTION	Bayproof 2KCF® is a Two Component highly Flexible liquid waterproofing membrane, composed of Portland cements, Silica sands and modifying agent	
Uses	Bayproof 2KCF® is suitable for fixing: <ul style="list-style-type: none">➤ Concrete➤ Exterior masonry➤ Exterior facades➤ Water Tanks➤ Retaining walls➤ foundations➤ Swimming pools	
Advantages	<ul style="list-style-type: none">➤ Non-Toxic➤ Excellent adhesion characteristics➤ Anti-carbonation @ 1mm➤ Resistant to carbon dioxide➤ Resistant to chloride diffusion➤ Low VOC	
Compliance	Complies with BS 1881 part 5 1983 & BS 6920 Part 1	
MATERIAL DATA		
Type	Cement Base	
Form	Grey	
Packing	15kg powder + 5kg Liquid pack	
Application	Brush, Roll, Trowel or Airless Spray Machine	
Storage Condition	12 month in unopened packaging, between 5°C and 35°C	
TECHNICAL DATA		
Property	Value	Test Method
Specific Gravity	1.80 ± 0.05	S.G Cup
Adhesion to Concrete	>1.1 N/mm²	ASTM D 4541
Elongation at Break	>5%	ASTM D 412
Resistance to Bacteria	No Attack	ASTM D 4299
Resistant to Algae	No Attack	ASTM G 29
Water Penetration	No penetration at 7 bar @ 150Kpa	ASTM E 96

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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.
Application	<p>Apply 2 coats Bayproof 2KCF® at 1mm thickness directly to the prepared substrate after mixing the Bayproof 2KCF with a slow speed mixer, then apply it 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.</p> <p>Polypropylene or alkali resistant glass fiber mesh could be applied as reinforcement across all construction joints and cracks.</p> <p>Method of application:</p> <ol style="list-style-type: none"> 1. Dilution by 5% potable water when Temperature at application is below 15°C 2. For large volume mixing use a low speed drill and mix it for 3 min
Theoretical Spreading Rate	1.8Kg/m² @ 1mm DFT Minimum 2 coats are required
Full Curing	1-2 days from the date of final application depending on weather conditions

SAFETY

Protection Measures	<p>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</p> <ul style="list-style-type: none"> ▪ 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 substrate not immersed in water.

Important Notice:

All instructions and data contained in this Technical Sheet are general information only and are based on our experience and performed tests. Under all circumstances relevant standards and general knowledge of construction/engineering must be implemented. In case of specific questions or requirements please contact our Technical Service.