



AQUASTOP C-109

2K Cementitious Waterproofing (Flexible)



AQUASTOP C-109 is a two-component, cement-based waterproofing coating. When applied by brush, it forms a seamless, flexible film on the substrate surface. The coating has excellent toughness and can resist the propagation of micro-cracks in the substrate.



Highly Flexible And Bridges Cracks Well



Low VOC, Non-Toxic



Works Well on Damp Surfaces



Easy Application

WHERE TO USE

Suitable for internal wet areas, kitchen, bathroom, laundry areas, balconay, and terraces before tiling. Backwater surface of basement and exterior wall.

PRODUCT DATA

Appearance	Component A: White Emulsion; Component B: Grey
Packing Size	33kg (Component A: 10 kg barrel; Component B: 23 kg bag)
Theoretical Coverage	2-2.2 kg/m ² for 1mm dry film thickness (Note: Actual coverage varies based on substrate type, surface porosity, and texture)
Application Coverage	1 kg/m ² /coating, at least 2 coats application. (total coating thickness depends on surface profile)
Application Environment	Temperature 6-35°C , (avoid high temp., rain, and direct sunlight).
Pot Life	60 minutes (shorter at higher temperature)
Construction Tools	Blender, mixing bucket, brush, roller, trowel, spatula, and etc.
Colour Range	Grey
Tensile Strength	>2 MPa (ASTM D412)
Elongation	40%, (ASTM D412)
Shelf-Life	12 months - Unopened



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APPLICATION INSTRUCTIONS



Surface Preparation

- Make sure concrete surfaces are clean and free of dust, oil, or other contaminants.
- Lightly moisten the blocks beforehand.
- Begin laying only when the surfaces look dry and no standing water is present.



Mixing

- Pour **component A (liquid)** into a clean bucket.
- Slowly add **component B (powder)** while mixing with an electric mixer.
- Mix for 3–5 minutes until the mixture is smooth uniform, and free of lumps.



Application

- Apply about **1 kg/m²** per coating (thickness depends on area, substrate roughness, and surface profile).
- **AQUASTOP C-109** must be applied in at least **two layers**. Use **three layers** in high-risk areas exposed to hydrostatic pressure.
- Apply **AQUASTOP C-109** using a brush, roller, or trowel. Pay extra attention to corners.
- Ensure the previous coat is dry before applying the next.
- Apply the second coat perpendicular to the first.
- Wait **5–7 hours between coats** (depending on temperature, humidity, and substrate absorption).
- Extend drying and curing time in low temperature or high humidity conditions for better adhesion.

HANDLING PRECAUTIONS

Mixing: Use only clean water when preparing the product. Do not add any other powders, liquids, or additives.

Application Conditions: Apply in ambient temperatures between **6°C and 35°C**. Avoid application during rainy weather or on damp substrates. Substrate should be free from standing water.

Curing Treatment: For cementitious product, proper curing is important, finishing shall be protected from rain, direct sunlight, to ensure adequate hydration of cement to minimize cracking.

TRANSPORTATION & STORAGE

The product shall be stored in a ventilated place and not exposed to sunlight, rain or fire. Collision shall be avoided during transportation. The storage temperature is from **6°C to 35°C**.

Under normal transport and storage conditions, the shelf life is 12 months.

SIRIM TEST REPORT



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