Crocodile Super Shield
Waterproofing Cement

CROCODILE
Innovation for Your Family's Happiness
REPAIRING INNOVATION

Hard-Surface Crystalline



Crocodile Super Shield is cementitious waterproofing compound to apply as slurry to concrete surface where it forms an impermeable barrier to the passage of water in the liquid state, but allow gases (air or vapor) to pass through.

Product features

- Crystallization penetrates deeply into concrete surfaces, providing powerful adhesion.
- Blocks pores, capillaries and micro cracks to stop liquid water passage.
- Powerful pressure resistance (up to 7 bar)
- Resists high hydrostatic heads, protects concrete from water borne aggressive chemicals and freeze-thaw damage.
- Safe and non-toxic.

Standard : ASTM C109, ASTM C642, JIS A1404

Application

Waterproofing and protection water retaining structures, such as terrace, veranda, drinking water tanks, reservoirs water mains, swimming pools, bathroom, kitchen and below-grade structures like basements, retaining walls, foundations, tunnels.

Application Instruction

Substrate Preparetion

Concrete or masonry surfaces to be coated should be properly prepared to remove all loose, unsound or contaminated material. Wet it thoroughly with water. Immediately prior to application of slurry.

Mixing

By brush :

Crocodile Super Shield 3.5 kg : Water 1 liter by weight or Crocodile Super Shield 2-2.5 part : Water 1 part (by volume)

By trowel :

Crocodile Super Shield 4 kg per water 1 liter by weight or Crocodile Super Shield 2.5-3 part : Water 1 part (by volume)

Application

Apply Crocodile Super Shield slurry mix with a mason's brush or trowel. Slurry can also be applied to horizontal surfaces with a push broom. Restir the slurry frequently during use. The second coat should be applied, allowing 15-30 minutes apart between each application. Apply two coats at 1-1.5 kg per sq.m. Do not mix more material than can be used within available working time.

www.cera.co.th

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Estimated Coverage
1-1.5 kg/sq.m per coating 2 times

Application Type	Hydrostatic Head (bar)	Application Rate (kg / m^2)	
		Positive	Negative
Damp proofing	0	0.4-0.6	0.4-0.6
Waterproofing Low	1	0.7-1.0	1.0-1.5
Waterproofing Moderate	1-2	1.0-1.5	1.5-2.0
Waterproofing High	> 2	1.5-2.0	2.0-2.5

Technical Data

Test	Evaluation
Bulk	~1.6 kg/L
Setting Time • Initial Set • Final Set	 5 hr 6 hr
Water Absorption **Compare to uncoated**	2.6% 9.8%
Compressive Strength 28 days	> 45 N/mm^2
Permeability Test **Compare to uncoated**	8.14×10^{-10} 1.7×10^{-9}
Resistance to Hydrostatic Pressure 48 hr	Pass
Waterproofing barrier test Positive Side Negative Side	 > 70 m (7 bar) > 70 m (7 bar)

Caution

- Cement may cause injury to skin or eyes. Use of rubber gloves, dust masks, eye protection, and other safety equipment is recommended.
- If contact with eyes occurs, flush immediately and repeatedly with water, and then contact doctor immediately.
- Avoid contact with skin. Wash thoroughly after handling.
- Keep out of reach of children

Packing

Net weight : 5, 25 kg

U.S.A. Standard from the Crocodile Family