



# Crocodile Flex Shield

## Waterproofing



### Flexible Waterproofing Cement (1 component)

Crocodile Flex Shield is flexible waterproofing coating cement based against water pressure (1.5 bar). It just mixes with water with flexible and waterproofing properties that adheres to practically every surface such as concrete, ceramic, fiber cement, etc.

### Product Features

- Highly flexible; optimized for flexible surface
- Can be left exposed. Excellent UV and weathering resistance
- High water pressure resistance (1.5 bar)
- Nontoxic
- Waterproof coat over existing leak tile before installing new tile
- High adhesion strength

### Application

- Waterproofing and protection a water retaining structures, such as drinking water tanks, reservoirs, water mains and swimming pools.
- Tile fixing and waterproofing of bathrooms, kitchens and other wet room in hotels, hospitals, offices, and residential buildings, also suitable for exterior applications.
- Waterproofing of terraces and balconies under the pavement.
- Internal and external waterproofing and protection of new and old buildings, facades against dampness, rain.
- Waterproofing of below-grade structures like basements, retaining walls, foundations, tunnels, galleries. subjected to both positive or negative high water pressure.

**Standard :** EN 14891, EN1348

**Color :** Grey, White, Green, Blue, Black



## Application Instruction

### Substrate Preparation

- Clean the surface to be free from dust, grease, concrete scrap or unknown matter etc.
- Fill cracks if any on the surface with suitable repairing material. Fill wall border or joints with sealant.
- The concrete surface must be damp but with no wet sheen on the surface.

### Mixing

Mix Crocodile Flex Shield with water 2.5 kg per 1 liter (Cement: Water = 2.5-2.7: 1 by volume). Allow mixture to sit for 5 min. Prepare only as much as can be applied within 1 hour period.

### Application

- Apply with brush or roller when a smooth finish is required 2 coats.
  - The second coat should be applied, allowing 30-90 minutes apart between each application.
  - When finished, surface should be left to dry for at least 3 days.
  - Tile work should be done on surface after 3 days.
  - Depending on temperature and relative humidity conditions on site. Normally will require a minimum of 7-14 days depending on ventilation.
- Ensure that the product has cured enough to be in permanent contact with water.

### Estimated Coverage

1-1.5 kg/sq.m/ 2 coats

### Technical Data

Test Method	Standard	Evaluation
Bulk Density	-	1.07 kg/L
Crack Overbridging @ 28 days	EN 14891	0.75 mm
Water Impermeability Positive/ Negative	EN 14891	1.5 bar / 1.5 bar
Water Permeability under head pressure	EN 14891	>1.5 bar
Drinking Water Test	SS 375	Pass
Tensile Strength @ 28 days	ASTM D412	>2 N/mm <sup>2</sup>
Tensile strength on other substrate at 28 days		
Woods/Metal	-	>0.8 N/mm <sup>2</sup>
Flexible board		>0.6 N/mm <sup>2</sup>

Remark : 1 Mpa = 1 N/mm<sup>2</sup> ≈ 10.2 ksc = 145 psi



**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

**Storage**

- It should be kept in a dry place and the temperature is not too high to avoid product degradation.
- Shelf life for 1 year since manufactured date.

**Packing**

Net weight : 20 kg/bag, 4 kg/bucket, 1 kg/bucket

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