



**RAMCO**  
**AQUA**  
**SHIELD**  
**WATERPROOFING**  
**TWO COMPONENT**



## **Ramco Aqua Shield Waterproofing** **Two-Component**

Ramco Aqua Shield Waterproofing is a two-component, high-performance, acrylic polymer-modified, cementitious waterproofing system. It consists of two components: a liquid polymer and a cement-based powder blend with special admixtures. This system is designed to provide superior protection against water infiltration when applied to concrete surfaces, mortars and masonry.

## Key Benefits

**Easy Mixing and Application:** Simplifies the waterproofing process with quick and efficient mixing.

**Exceptional Water Resistance:** Prevents water ingress effectively, ensuring long-term durability.

**Adheres to Damp Surfaces:** Bonds well even on moist substrates.

**Versatile Adhesion:** Compatible with reinforced concrete, mortar and masonry.

**Fast Curing:** Speeds up application timelines without compromising quality.



## Applications

Ramco Aqua Shield Waterproofing is ideal for various waterproofing needs, including:

**Water Storage:** Water tanks, Sunken areas, Wastewater tanks.

**Exposed Areas:** Terraces, Balconies, Sunshades.

**Structural Protection:** Basements, Retaining walls, Lift pits, Sumps.

**Decorative Water Features:** Swimming pools, Fountains, Water bodies, Canals.

**Utility Areas:** Toilets, Sunk slabs.



## Mixing Instructions



1. Pour 0.5 part of water in a bucket, add 1 part of Ramco Aqua Shield Waterproofing – Polymer liquid component.
2. While stirring gradually add 2 part of Ramco Aqua Shield Waterproofing – Powder component
3. Blend it well using a stirrer, make sure the mix attains the brushable consistency

**Note:** The proportions mentioned are suited for rigid surfaces like clean concrete, weathering course, or tiles. For other substrates, consult a technical expert for precise ratios.

## Application Procedure

1. Clean the surface to remove dust, grease and loose material.
2. Prior to applying waterproof coating, clean the whole area with clean water and remove all the stagnant water.
3. Apply first coat for a 0.8–1 mm layer, covering the whole surface evenly.
4. Allow 4–6 hours drying time.
5. Apply second coat perpendicular to the first coat for a 0.8–1 mm layer and allow to air cure for 24 hours.
6. After 2–3 days of air curing the second coat, a protective screed has to be given with screed mortar of ratio 1:4 (cement : sand), admixed with Ramco Super Shield IWP.

## Technical Specification

Properties	Ramco Aqua Shield Waterproofing
Nature	Two Component
Pot life	45 minutes @ 30° C
Mix ratio	1 Part <b>Polymer</b> : 2 Part <b>Powder</b> : 0.5 Part <b>Water</b>
Colour	<b>Powder</b> - Grey, <b>Polymer Liquid</b> - Milky White
Elongation	> 150% above
Dry Film Thickness (DFT)	1 mm for 2 coat
Tensile adhesion strength	>5 Mpa
Water penetration at 5 bar pressure	NIL
Coverage	10 sq. ft./Kg @ 1 mm thickness for 2 coats
Yield	15 litres (with 5 Kg <b>liquid</b> , 10 Kg <b>Powder</b> and 2.5 Kg <b>water</b> ) covering 150 sq. ft. in two coats

**Storage instructions:** Store in a covered, dry and moisture-free place.

# Right Products **for** Right Applications

