

# AQUA SEAL

## ELASTOMERIC WATERPROOFING SYSTEM



### DESCRIPTION

**AQUA SEAL** is a Single component Liquid Applied, highly resilient waterproofing system based on modified Acrylic Resin. It cures on exposure to atmosphere and forms an Elastomeric Seamless Membrane.

### ADVANTAGES

- **AQUA SEAL** is a single component compound and ready to use from the container without mixing.
- No catalysts are necessary as **AQUA SEAL** self cures when exposed to the atmosphere.
- Cold applied by spray, brush, roller or squeegee.
- **AQUA SEAL** cuts cost of application by eliminating mixing, splicing sealing tapes, adhesives and other labor consuming methods required when installing other conventional types of waterproofing systems.
- Does not create a mess and objectionable odor
- Provides a seamless (No joint) waterproofing.
- **AQUA SEAL** is applied in a thixotropic consistency and may be used on vertical as well as horizontal surfaces. It will follow the contour of any irregular surfaces maintaining uniform thickness.
- The superior flexibility and elongation properties of **AQUA SEAL** allow expansion and contraction of the substrate without cracking or becoming brittle.
- Service temperature is from -29°C to +93°C.
- Non-flammable, non-toxic and environmentally safe.

### DIRECTIONS FOR USE

#### Surface Preparation

All surfaces must be clean and free of all, dirt, grease or other contaminants which will interfere with adhesion. All concrete surface to receive **AQUA SEAL** coating shall be cleaned by sandblasting or acid etching. If acid etching is used, 10% to 15% Muriatic Acid solution is to be applied by mop or broom, this will be allowed to remain on the surface approx. 10 minutes or until bubbling ceases. Surface will then be thoroughly washed with clean water to remove all residue and allow to dry. Voids and spaces with a diameter and depth of more than 3mm should be patched with repair mortar.

#### Application

Apply **AQUA SEAL** as recommended by the manufacturer. All cracks of 1.5 mm and over must be routed or saw cut and sealed with approved Elastomeric Sealant or filled with Repair Mortar. Prime porous and slightly textured surfaces with diluted/thinned **AQUA SEAL**, 4 liters water and 20 liters **AQUA SEAL** at a thickness between **100-150 microns**.

<b>COVERAGE</b>	1 M <sup>2</sup> / Liter 500 microns DFT depending on surface profile.
<b>PACKAGING</b>	Available 20 kg , 20 Litre Pail, 200 kg Drum
<b>COLOR</b>	Available in White and Grey.

At intersections of membrane and vertical walls, columns, pipes and other penetrations including cracks and control joints, impregnate glass, cloth tape in between coats of **AQUA SEAL**. Apply **AQUA SEAL** by airless spray, roller, brush or squeegee at a rate of 1m<sup>2</sup>/ liter per coat. After 24 hours of curing, apply second coat at 1m<sup>2</sup>/ liter per coat to achieve a total dry film thickness of 1mm.

### Terrazzo Tiles / Asbestos Roof

Repair and Re-Grout tiles having damaged or washed out joints, asbestos roofs and other roofing materials must be structurally sound prior to **AQUA SEAL** application.

### Solid Content

By weight	65% heated at 105°C to constant weight.
By Volume	50% Theoretical
Specific Gravity	1.31 +/- 0.02
Thickness/Coat	1.0mm wet film.
Re-Coat Interval	4 hours minimum.
Curing Time	48 hours
Tensile Strength	420 psi, ASTM D 412
Elongation	480% ASTM D 412
Hardness Shore A	480% ASTM D 412
Permeance	2.8 perms @ 20 mils Dry film.
Permeability	0.05 perms / inch.

### METHOD OF APPLICATION

Brush, Rollert or Squeegee.

### TYPICAL APPLICATIONS

- Roof deck and walls (either concrete or cement) mortar, wood and metal.
- Over terrazzo tiles / asbestos roof.
- Can be applied over spray applied polyurethane foam and other materials that are ultra violet degradable.
- Under tiled areas i.e. bathroom, toilets and kitchens.

### CLEAN UP

Clean tools and equipment with water. All tools and equipment should be cleaned immediately.

## LIMITATIONS

- Do not apply if ambient temperature is below 4° C. Opened containers should always be covered when not in use.
- Do not apply over wet surfaces and over freestanding water.

## HEALTH & SAFETY

- Use protective clothing gloves, mask, goggles, etc.
- Avoid inhalation or contact with skin or eyes. In such events remove the person to fresh air, water with clean water over the affected area and call for medical attention.
- Smoking should be strictly prohibited during application. In confined areas of application, breathing equipment should be made available for operatives.

### Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

**"High Quality Construction Chemicals"**  
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The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.