

AQUA SEAL

MODIFIED ACRYLIC COATING

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

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.

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.
- Cold applied by spray, bush, 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 system.
- Does not create 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°. to +93° C.
- Non-flammable, non-toxic and environmentally safe.

Available in White only.

TECHNICAL DATA

Solid Content:	
By Weight:	65% heated at 105 ° C. to constant weight.
By volume:	50% Theoretical
Specific Gravity	1.31 +/- 0.02
Thickness/coating	1.0mm
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	55, ASTM D 2240
Permeance	2.8 perms @ 20 mils Dry film.
Permeability	0.05 perms / inch.

Method of Application:

Brush, Roller, spray or Squeegee.

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 apply 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 3 mm should be patched with repair mortar.

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.

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.

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 1.0 liter/Sqm./coat. After 24 hours of curing, apply second coat at 1.0 liter/Sqm. / coat to achieve a total dry film thickness of each coat which can be checked by averaging numerous measurements taken with a film gauge.

COVERAGE

0.5 Sqm./ltr at 1 mm DFT depending on surface profile.

CLEAN UP

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

PRECAUTIONS & 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 free-standing water.

PACKING

20 kg./Litre Pail.

QUALITY STATEMENT

CMCI manufacture 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

The Technical Specification information and recommendation 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.