



# PCC-AQUASEAL AC

## Elastomeric Protective, Waterproof and Decorative Coating

### PRODUCT DESCRIPTION

PCC-Aqua Seal AC is a protective, decorative, flexible coating, formulated from high-performance elastomeric acrylic resins. It is designed to waterproof for all types of exposed roof slabs (new and old), terraces (sloped and flat), bridge hairline cracks, and enhance the aesthetic appearance of concrete, stucco, and masonry surfaces. PCC-Aqua Seal AC provides long-term protection from severe weather over a wide range of temperatures, dirt, airborne pollutants, and is resistant to ultraviolet light degradation and carbon dioxide. PCC-Aqua Seal AC has superior adhesive, cohesive, and color retention characteristics.

### AREA OF APPLICATION

- Exterior and interior
- Concrete
- Precast panels
- Concrete masonry units
- Stone and brick
- Stucco

### FEATURES / BENEFITS

- Repels water
- Excellent adhesion
- Bonds well to all types of masonry substrate high diffusion resistance against CO2 ultra violet rays and weather resistant
- Provides mildew and fungus growth resistant coating
- Breathable
- Freeze-thaw stable
- Outstanding color retention
- Can contribute to LEED points

### TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field condition **Material Properties @ 75°F (24°C)**

**Weight/gal** 12 ± 1.0 lbs. (1.4 kg/L)  
**Viscosity** 2,600-3,000 cp (116-122 ku)  
**Solids Content (by weight)** .....65 to 70%  
**Tensile Strength, psi (MPa), ASTM D412**  
 @ 75 °F (24 °C) .....200 to 220 (1.38 to 1.52)  
 @ 0 °F (-18 °C) .....550 to 650 (3.79 to 4.48)  
**Tensile Elongation, %, ASTM D412**  
 @ 75 °F (24 °C) .....290 to 315  
 @ 0 °F (-18 °C) .....90 to 110  
**Water Permeability, ASTM E514**  
 Dampness shows..... none  
 First water shows..... none  
 Back of wall in 4 hrs..... none  
**Wind Driven Rain Resistance, TT-C 555B.....**pass  
**Water Vapor Transmission, ASTM E96**  
 20 mil film.....11 perms

**Weather meter, ASTM G26**  
 6,000 hrs. ... no crazing, cracking, chipping, flaking  
**Carbon Dioxide Diffusion**  
 Diffusion coefficient.....1.2 x 10<sup>-6</sup>cm<sup>2</sup> sec<sup>-1</sup>  
 Diffusion resistance coefficient.....145,000  
 Klopfer criteria..... pass  
**Freeze Thaw Resistance, ASTM C666**  
 300 cycles.....97.30%  
**Scaling Resistance, ASTM C672**  
 Visual rating.....0  
 25 cycles, scaling mass..... none  
**Salt Spray Resistance, 5% solution**  
 300 hrs.....no adhesion loss @ 90 °F ± 2 °  
**Fungus Growth, FED TEST 141, Method 6271**  
 28 days.....none  
**Impact Resistance, ASTM D2794.....**no chipping  
**Flexibility, ASTM D522**  
 1/8" mandrel.....2233.no chipping or breaking

## PACKAGING

PCC-Aqua Seal AC is packaged in 18kg bucket.

## SHELF LIFE

Best before 12 months if stored properly in undamaged and unopened original sealed packaging in dry and cool conditions at +5°C-30°C Liquid component must be protected from frost.

## COVERAGE

PCC-Aqua Seal AC Primer: 0.200 kg/m<sup>2</sup> per coat depending on the substrate

PCC-Aqua Seal AC: 0.5 kg /m<sup>2</sup> per coat (2-3 coats recommended)

Total thickness - 1.2 mm approx. with Fab and 1mm without Fab

## DIRECTIONS FOR USE

**Surface Preparation:** Cure new concrete and masonry surfaces 28 days. Surface must be structurally sound, clean, dry, and free of dust, dirt, oil, peeling paint, curing and form release compounds, and other contaminants. Provide an absorptive surface on smooth precast, formed concrete, and other substrates by abrading the surface. Defective concrete and other surface defects should be routed to sound material and patched using compatible restoration products.

**Priming:** All surfaces to be coated with PCC-Aqua Seal AC must be primed. For concrete surfaces, prime with PCC-Aqua Seal AC Primer. For highly porous concrete block, prime with PCC-Aqua Seal AC Primer.

**Mixing:** PCC-Aqua Seal AC should be mechanically mixed using a low speed 3/4" (19mm) drill with a mixing paddle. Mix thoroughly to a uniform, smooth consistency. Do not aerate the mix.

**Application:** PCC-Aqua Seal AC is supplied in a single component pack and is in ready to use form. Stir thoroughly before application. Within 45 minutes of priming apply 1st coat of PCC-Aqua Seal AC by brush or roller. Do not spoil the dry surface while walking on it for application. Place PCC-Aqua Seal AC Fab over the first coat when it is in tacky condition Apply the 2nd and 3rd coat of PCC-Aqua Seal AC following the same above procedure at suitable time interval of 24 hours between the two coats.

## CLEAN UP

Clean tools and application equipment immediately after use with soap and hot water. Clean overspray or drips while still wet with soap and hot water. Dried material may require strong solvents or mechanical abrasion for removal.

## PRECAUTIONS / LIMITATIONS

- PCC-Aqua Seal AC is a water-based product and is not flammable
- Provide adequate ventilation during application
- Do not thin or dilute PCC-Aqua Seal AC
- Do not apply PCC-Aqua Seal AC if rain is expected within 8 hours
- Do not apply over frost-filled surfaces
- Do not apply if surface or ambient temperatures are below 45°F (7°C)
- Store at temperatures between 50°F and 90°F (10°C and 32°C). Protect from freezing.
- Do not apply to non-absorbent materials such as glass, metal, glazed brick, or glazed tile
- Not for use on traffic bearing surfaces
- In all cases, consult the Safety Data Sheet before use



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