



APF CEM-SEAL

PRODUCT DESCRIPTION AND USE

APF Cem-Seal is a water-based acrylic emulsion used in a variety of decorative concrete applications. It is available in both clear and pigmented formulations, dries quickly and is high in solids for single component emulsion type materials. Cem-Seal forms hard coating films, resists blushing and provides excellent resistance to yellowing in exterior applications.

Pigmented Cem-Seal is used as a color coat over polymer concrete and spray applied decking. Clear Cem-Seal was designed as a fast drying build coat in color chip flooring and as an economical sealer over polymer concrete in light duty applications. It is an excellent primer on polymer concrete when two component polyurethane or polyurea/polyaspartics are used as finish coats.

Chemical Composition

Small particle size acrylic emulsion

Colors

14 standard colors available, plus clear

Limitations

- Do not use directly over conventional concrete
- Not recommended as a finish coat in high traffic areas or vehicle areas
- When used as a clear over exterior polymer concrete, water can migrate through cracks and joints in the substrate and temporarily darken the host surface. This darkening disappears when the substrate dries.

TECHNICAL DATA

Physical Properties

Solids Content, by Weight (Clear) 35%
 Solids Content, by Weight (Pigmented) 47%
 Gloss, 60 degrees F (Clear) 82
 Volatile Organic Compounds..... 75 gms./ltr.
 Dry Times (77 degrees F)

Recoat 30-60 minutes
 Light Traffic 4-6 hours
 Full Cure 72 hours

Higher temperatures, lower humidity and good ventilation will shorten dry times.
 Lower temperatures, high humidity and poor ventilation will lengthen dry times.

WARRANTY INFORMATION

Arizona Polymer Flooring guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. ARIZONA POLYMER FLOORING MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Arizona Polymer Flooring shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission or alkalinity. Arizona Polymer Flooring shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.

HIGH PERFORMANCE CONCRETE COATING SYSTEM

CHEMICAL AND STAIN RESISTANCE (ASTM D-1308 24 HOUR EXPOSURE)

Mustard.....	no effect
Coffee	no effect
Cola	no effect
Grape Juice	no effect
Urine	no effect
Whiskey	no effect
Motor Oil	no effect
Gasoline.....	film softens
Brake Fluid.....	film destroyed
Lacquer Thinner.....	film destroyed

GENERAL INFORMATION

Surface Preparation

Surface must be free of all grease, oil and soils that may interfere with adhesion. Polymer concrete must be cleaned using a pressure washer (minimum psi 2,500) or detergent scrubbed with a floor machine using a nylogrit brush. Use APF Orange Clean 8 parts water to 1 part detergent. Rinse well to remove all detergent residue.

Application Recommendations

Surface to be coated may be damp, but with no visible water. Cem-Seal is best applied using the dip and roll method working out of a 5 gallon pail. Use a 1/2 or 3/4 inch nap roller cover depending upon the texture of the surface. Use a cross-hatch rolling technique to insure an even distribution. Coverage will vary between 200-350 sq. ft. per gallon depending upon the substrate. More film thickness always adds to the quality of the job – do not stretch the material.

Recoat Information

Cem-Seal may be recoated with itself or water-based polyurethanes as soon as the material can be walked on. Allow an overnight dry before recoating with solvent-borne top coats. Cem-Seal may be recoated without additional preparation for an indefinite period. However, if several days has elapsed and the surface has become dirty, recleaning is necessary.

Handling Precautions

Avoid contact with skin; wear protective gloves. Read Material Safety Data Sheet before using.

Slip and Fall Precautions

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Arizona Polymer Flooring recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Arizona Polymer Flooring or its sales agents will not be responsible for injury incurred in a slip and fall accident.