

Product Bulletin

CaraPol™ AAR-127

Description

CaraPol AAR-127 is an aqueous dispersion of a hydrophobic acrylic copolymer. The product offers exceptional water and blush resistance and its fine particle size allows good substrate penetration which provides for good sealer performance. Drying above the minimum film-forming temperature leaves a clear, colorless, film which is semi-soft and flexible at room temperature. Additionally, for air dry applications, this polymer has low coalescent demand.

Applications and Features

- Weatherable, Hydrophobic Coatings
- Coatings and Sealers for Cementitious Substrates
- Binder for Waterproof Nonwovens and Textiles
- Adhesion to Glass Fiber Substrates
- Paper Impregnating Agent

Properties

Solids Content	45%
Viscosity	150 cps
pH	7.0 – 7.5
Glass Transition Temperature	20° C
Minimum Film Formation Temperature	15° C
Average Particle Size	70 nm
Ionic Character	Anionic
Mechanical Stability	Excellent
Specific Gravity	1.05 g/cm ³
Density	8.5 lbs/gallon

CaraPol AAR-127 can be applied by spraying, printing, nip padding, impregnating, and roll or knife coating. It is compatible with many fillers and has excellent stability in highly filled systems. Pigmented coating formulations have optimum stability at pH of 8.5 and, therefore, adjustment can be made with ammonia.

Recommended thickeners for alkaline formulations include alkali swellable emulsions (ASE types) and for low pH formulations methyl cellulose, carboxymethyl cellulose, or hydroxyethyl cellulose are best. Associative thickeners can also be used.

Our data is based on information from laboratory tests which are believed to be accurate. All recommendations are made without warranties since the conditions of use are beyond CaraChem's control. We do not assume any liability or responsibility of the product relative to performance or injury from its use. Liability, if any, is limited to replacement products.