



# Technical Data AQS 3 Additive

REV 7/24

### DESCRIPTION:

GemSeal AQS 3 latex is an additive used with coal tar emulsion seal coats to provide a tougher protective sealing film. AQS 3 should be used in all formulations containing sand to prevent aggregate rollout and increase life of film. AQS 3 latex complies with all ASTM specifications for rubberized coal tar seal coats.

### FEATURES:

- **Improved pumping / spraying** - AQS 3 latex optimizes spraying in conventional equipment by reducing viscosity at spraying pressures yielding a uniform spray pattern
- **Consistent superior durability** - wet abrasion testing (ASTM D3910 modified) indicates consistently lower abrasion loss when compared to conventional mixes without latex. Contains XL cross-linking additive component.
- **Quick set** - mixes using AQS 3 additive achieve up to 60% faster set (drying) time in the sun or shade when compared to conventional mixes.
- **Improved storage** - latex has shown excellent storage characteristics, up to 1.5 years. Do not allow to freeze
- **Excellent compatibility** - due to the unique surfactants utilized, AQS 3 is compatible with a wide range of sealer mixes. We recommend avoiding contamination with other products when possible. AQS 3 additive is a medium-dark gray colored latex containing proprietary surfactants and modifiers with a minimum solids content of 40%. AQS 3 gives superior performance in the areas of drying time, abrasion resistance and adhesion, resistance to cracking, fast setup and proper sand suspension.

### INSTRUCTIONS FOR USE:

While agitating, slowly add mixing water to coal tar emulsion. Dilute AQS 3 latex with equal parts water and slowly add to diluted coal tar emulsion. When materials are completely mixed then slowly add the sand. Continue mixing until all ingredients are uniformly mixed.

### RECOMMENDED MIX DESIGN LIMITS:

GemSeal Coal Tar Emulsion (RP-355e)	100 gallons
Mix Water	30-50 gallons

AQS 3 Latex	3-5 gallons
Silica Sand	400-600 lbs.

### APPLICATION:

The coal tar emulsion mix containing AQS 3 latex may be applied by conventional techniques. Allow approximately six hours drying time between coats on hot days. On cooler days with poor drying conditions allow 24 hours between coats. Allow 24 hours curing between last coating and striping with latex paint. Consult GemSeal recommended guidelines for complete information.

### COVERAGE:

Application rates for mixes containing AQS 3 latex shall range from 0.10 to 0.15 gallons per square yard.

### STORAGE:

Store in a cool, dry area. Avoid freezing. Product is no longer useful after freezing.

### CLEANUP:

Use soap and water if product is still in emulsion state. Dried latex will be difficult to remove from tools and equipment. Use GemSeal hand cleaner to remove residue from hands.

### CAUTION - WARNING:

This product may contain trace amounts of chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Fifty-eight percent of the mixture consists of ingredient(s) of unknown acute toxicity.

### MANUFACTURING & CUSTOMER SERVICE:

Visit [gemsealproducts.com](http://gemsealproducts.com) or phone 866-264-8273 to find the location near you.

### LIMITED WARRANTY

The statements made on this technical data sheet are believed to be true and accurate and are intended to provide a guide for approved application practices. As workmanship, weather, construction, condition of pavement, tools utilized, and other variables affecting results are all beyond our control, the manufacturer warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the product only. The manufacturer expressly disclaims any implied warranties of merchantability or fitness for a particular purpose.