



ARCTIC SEAL

is a unique colloid milled blend of polymerized asphalt, minerals, fiber and our proprietary reflective medium technology. Producing an environmentally friendly cooler coating. **ARCTIC SEAL** lowers the service temperature up to 40% and increases reflectivity. Use **ARCTIC SEAL** where extreme temperatures create hazards for Schools, Playgrounds, Office Complexes and Low Volume Roads.

ADVANTAGES

Environmentally Safe
Dries to Light Gray
Reflective, Lower Glare
Easy to Clean

Bonds well to Sealed Surfaces
Meets all State & Public Works Specifications
Go Green, very low VOC's
Lower Surface Temperatures



BREWER COTE *of Arizona* **The Pavement Maintenance Specialists**

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COVERAGE

Smooth, Dense Pavements	min. 2.5 gal per 100 sq/ft - 23 gal per sq/yd
Medium Surfaces	min. 3.0 gal per 100 sq/ft - 27 gal per sq/yd
Rough, Aged Surfaces	min. 4.5 gal per 100 sq/ft - 40 gal per sq/yd
Excessively Rough Surfaces	min. 5.0 gal per 100 sq/ft - 45 gal per sq/yd

Coverage is based on 2 coats before dilution

** Consult with Project Manager for other Recommendations**

METHOD OF APPLICATION

Make sure area is clean and free from all loose material and dirt. To apply Spray, Squeegee or use Mechanical Equipment product onto surface, make sure surface is damp while applying product with fog system. Product may be diluted with maximum of 20% water. Priming may be necessary on aged surfaces, using SSH1 and 2 parts water and applied at 1 gal per sq/ft. Do not over dilute Arctic Seal. Consult your Project Manager if needed.

DRYING TIME

8 hrs. Max at 70° F
50% Relative Humidity

CLEAN UP

Water Soluble or
Biodegradable Solvent

PACKAGING

5-gal Pail (49 lbs.)
55-gal Drums (520 lbs.)
Bulk (9 lbs.)

COLOR

Light Grey

SPECIFICATIONS

TEST	METHOD	MIN.	MAX.	RESULTS
Weight per gallon	ASTM D244	11.0 lbs.	12.0 lbs.	11.2 lbs.
Cone Penetration	ASTM D217	344 mm	500 mm	370 mm
% Non-Volatile	ASTM A-1	60	68	62
% Non-Volatile	ASTM D2042	20	35	30
Soluble in Trichloroethylene by wt.				
Wet Track Abrasion	ASTM D3910		15.3	4.6
Mod. For Sand Seal 8 lbs. + 10 mins.				
Percentage Loss			5%	1.5%

WEATHERING

TEST	METHOD	RESULTS
QUV UV No Deterioration	D4799	1,000 hr. min. / Pass
Flexibility	D2939	No Cracking / Pass
Resistance to Heat	D2939	No Blistering / Pass
Resistance to Water	D2939	No Softening / Pass

SOLAR REFLECTANCE INDEX

TEST	METHOD	RESULTS
Solar Reflectance	ASTM E 1980	0.399
Solar Absorption	ASTM E 1980	0.601
Thermal Emissivity	ASTM D 1980	0.880

CONVECTIVE COEFFICIENT

Low Wind	5.000	Medium Wind	12.000	High Wind	30.000
X1	0.594	X2	0.587	X3	0.582
SRI Low Wind	43.000	SRI Medium Wind	44.300	SRI High Winds	45.000