

07560 Membrane Roofing/Acrylic Coating

**NATIONAL
COATINGS**

1. PRODUCT NAME

ACRYSHIELD® A510
Elastomeric Roof Coating

2. MANUFACTURER

NATIONAL COATINGS CORP.
1201 Calle Suerte
Camarillo, CA 93012
Phone: 800-423-9557
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3. PRODUCT DESCRIPTION

ACRYSHIELD A510 is a high-quality, acrylic, industry leading elastomeric coating for all substrates including asphalt, single-ply, Sprayed Polyurethane Foam (SPF), metal and concrete Roofing Systems. **A510** has optimum adhesion to SPF.

BENEFITS:

- *Seamless Waterproofing*
- *Fully-Adhered Installation*
- *Acrylic Durability*
- *Energy Savings*
- *Prolonged Roof Life*
- *Reduced Life Cycle Costs*
- *Renewable*
- *Low VOC*

APPROVALS:

- ENERGY STAR® Partner - Product in white, meets the ENERGY STAR® guidelines for energy efficiency.



- UL 790 Class A Rating



- ICC-ES ESR-2140



- CRRC Rated
 - Prod ID 0626-0010 (white)
 - Prod ID 0626-0020 (sand)



- California Title 24



4. TECHNICAL DATA

See table on reverse side.

5. INSTALLATION

- May be applied by spray, brush, or roller.
- All surfaces must be clean, dry, and free of dirt, grease, oil, or other contaminants that would interfere with proper adhesion.
- Apply at temperatures above 50°F.
- Apply only when weather conditions will permit drying before rain, dew or freezing temperatures.
- Cool temperatures and high humidity retard cure.
- For application details see specific Guide Specifications.

6. STORAGE

Store materials between 40°F and 100°F to prevent damage to products. Do not store at high temperatures or direct sunlight. Protect all materials from freezing during transit, handling, storage, and installation. Shelf life of 24 months if unopened containers stored between 40°F and 90°F and out of direct sunlight.

7. AVAILABILITY AND COST

ACRYSHIELD A510 may be purchased directly from National Coatings Corporation. For information call 800-423-9557.

8. WARRANTY

Various warranties are available for specific *ACRYSHIELD SPF ROOFING SYSTEMS*, *ACRYPLY® ROOFING SYSTEMS*, and *ACRYSHIELD RESTORATION SYSTEMS* installed by approved applicators.

9. MAINTENANCE

Periodic maintenance of *ACRYSHIELD SPF ROOFING SYSTEMS*, *ACRYPLY ROOFING SYSTEMS*, and *ACRYSHIELD RESTORATION SYSTEMS* ensures extended performance and reduces life cycle costs.

10. TECHNICAL SERVICES

Additional information, product brochures, and guide specifications are available. Roof energy evaluations, life cycle cost analyses, and other roof management services are also available from a National Coatings Technical Consultant.

11. FILING SERVICES

Additional product information is available from National Coatings Corporation.



ACRYSHIELD® A510 ASTM D6083 Technical Data

Property	Requirement	Typical Results
Tensile Strength (psi)	200 Minimum	265
Elongation (%)	100 Minimum	240
Volume Solids (%)	> 50	54 ± 2
Weight Solids (%)	> 60	68 ± 1
Viscosity (KU)	85-141	110 ± 10
Permeance	50 Maximum	18 perms
Flexibility after 1000hr accelerated weathering		Passes 1" at -10°F

Cool Roof Data

Bright White	Method	Initial	Aged
Solar Reflectance	ASTM C1549	.84	.74
Thermal Emittance	ASTM C1371	.92	.89
SRI	Calculated	106	91
Sand	Method	Initial	Aged
Solar Reflectance	ASTM C1549	.72	.66
Thermal Emittance	ASTM C1371	.91	.89
SRI	Calculated	89	80

*CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values. These values will be replaced with the measured three-year aged values upon completion of the weathering process. SRI values calculated using Rapid Ratings may change once the aged rating replaces the interim rating.

ACRYSHIELD A510 is for industrial/commercial applications only. These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control.

