

07560 Membrane Roofing/Acrylic Coating

**NATIONAL
COATINGS**

1. PRODUCT NAME

ACRYSHIELD® A500
Elastomeric Roof Coating

2. MANUFACTURER

NATIONAL COATINGS CORP.
1201 Calle Suerte
Camarillo, CA 93012
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3. PRODUCT DESCRIPTION

ACRYSHIELD A500 is the industry standard acrylic, elastomeric coating for Sprayed Polyurethane Foam (SPF) Roofing Systems. **A500** has optimum adhesion to SPF. **A500** is also indicated over single-ply and metal roofing in colder climates where extra levels of low temperature flexibility beyond **ACRYSHIELD A400** are required. **A500** exceeds ASTM D6083 requirements.

BENEFITS:

- *Seamless Waterproofing*
- *Fully-Adhered Installation*
- *Optimum Adhesion to SPF*
- *Acrylic Durability*
- *Energy Savings*
- *Prolonged Roof Life*
- *Reduced Life Cycle Costs*
- *Renewable*
- *Environmentally Friendly*

APPROVALS:

- As an ENERGY STAR® Partner, National Coatings has determined that this product, in white, meets the ENERGY STAR® guidelines for energy efficiency.



- Accredited by the Spray Polyurethane Foam Alliance, a

business unit of the American Plastics Council



- UL 790 Class A Rating



- Factory Mutual Standard 4470 for Class 1 Fire, Windstorm, & Hail Classification



- ICBO Evaluation Report #5007
- California State Fire Marshall
- CRRC Rated – Prod ID 0626-0002



- California Title 24 Compliant



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. AVAILABILITY AND COST

ACRYSHIELD A500 may be purchased directly from National Coatings Corporation. For information call 800-423-9557.

7. WARRANTY

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

8. MAINTENANCE

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

9. 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.

10. FILING SERVICES

Additional product information is available from National Coatings Corporation.



ACRYSHIELD® A500

ASTM D6083 Technical Data

Property	Requirement	Typical Results
Initial Tensile Strength (psi)	200 Minimum	235
Initial Elongation (%)	100 Minimum	245
Dry Adhesion (pli)*	No Reference	8.5
Wet Adhesion (pli)*	2 Minimum	3.5
Tear Resistance (lbf / in)	> 60	80
1000-hr Accelerated Weathering	No Cracking or Checking	No Cracking or Checking
Elongation After Accelerated Weathering (%)	100 Minimum	230
Low Temperature Flexibility After Accelerated Weathering	Pass ½” Mandrel @ -15°F	Pass
Permeance (perms)	50 Maximum	15
Water Swelling (%)	20 Maximum	10
Fungi Resistance (Zero = No Growth)	Zero Rating	Zero Rating
Volume Solids (%)	> 50	55 ± 2
Weight Solids (%)	> 60	69 ± 2
Viscosity (KU)	85-141	110 ± 10
* Measured Over Sprayed Polyurethane Foam		

Cool Roof Data

(Product tested in white color)

Property	Method	Result
Initial Solar Reflectance	ASTM C1549	.83
Thermal Emittance	ASTM E408	.95

ACRYSHIELD A500 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.

