

1. PRODUCT NAME

ACRYSHIELD® A503
Elastomeric Base Coat

2. MANUFACTURER

NATIONAL COATINGS CORP.
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Camarillo, CA 93012
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3. PRODUCT DESCRIPTION

ACRYSHIELD® A503 is a one component, low VOC, water borne base coating designed for application to roofing membranes.

A503 is the breakthrough, high performance base coat for surfaces such as Concrete, BUR, Mod Bit and Asphalt Emulsion coated roofing.

A503 has superior protection against ponding.

A503 eliminates the need for costly replacement.

BENEFITS

- *Lower project cost and higher job efficiencies*
- *Special work place safety requirements are reduced or eliminated*
- *Safer work conditions*
- *Outstanding protection against blisters*
- *Prolonged Roof Life*
- *Reduced Life Cycle Costs*
- *Sustainable roofing*
- *Seamless Waterproofing*
- *Fully-Adhered Installation*
- *Acrylic Durability*
- *Low VOC*

APPROVALS:

- UL 790 Class A Rating



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



- ICC-ES ESR-2140



4. TECHNICAL DATA

See table on reverse side.

5. INSTALLATION

- Use only with AcryShield approved products to ensure reliable performance.
- Do not install as top coat.
- **Mix well before using.** For drums: use a ¾ hp air-powered mixer with a 6" blade and shaft that will create a good vortex. For pails: use at least a 3" blade or a suitable hand mix paddle.
- 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 A503 may be purchased directly from National Coatings Corporation. For information call 800-423-9557.

8. WARRANTY

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

9. MAINTENANCE

Periodic maintenance of **ACRYSHIELD ROOFING SYSTEMS** and **ACRYPLY ROOFING 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® 503

ASTM D6083 Technical Data

Property	Requirement	Typical Results
Color		Buff
Theoretical Coverage		66 sq. ft/gal
Wet Adhesion – Concrete (pli)	2 Minimum	4.8
Wet Adhesion – BUR (pli)	2 Minimum	4.9
Wet Adhesion – Mod Bit (pli)	2 Minimum	7.2
Wet Adhesion – Asphalt Emulsion (pli)	2 Minimum	5.2
Volume Solids (%)	> 50	54 ± 2
Weight Solids (%)	> 60	67.7 ± 2
Weight per gallon		11.88 lbs
Viscosity (KU)	85-141	110 ± 10
Drying Time (hrs)		4-8 hours*

*Drying time is dependent on temperature & humidity

ACRYSHIELD A503 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.

