

07560 Membrane Roofing/Acrylic Coating



1. PRODUCT NAME

ACRYSHIELD® A420
Elastomeric Roof Coating

2. MANUFACTURER

NATIONAL COATINGS CORP.
1201 Calle Suerte
Camarillo, CA 93012
Phone: 800-423-9557
FAX: 800-294-3866
www.nationalcoatings.com

3. PRODUCT DESCRIPTION

ACRYSHIELD A420 is a multi-purpose, acrylic, elastomeric coating for use over a variety of substrates including asphalt and metal roofing. **A420** has unique “bleed blocking” properties that make it particularly suited for coating over asphalt surfaces. **A420** far exceeds key ASTM D6083 requirements for critical properties such as tensile strength, elongation, wet adhesion and weatherability.

BENEFITS:

- *Seamless Waterproofing*
- *Fully-Adhered Installation*
- *Asphalt Bleed Blocking*
- *Acrylic Durability*
- *Energy Savings*
- *Prolonged Roof Life*
- *Reduced Life Cycle Costs*
- *Renewable*

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 0626-0004 (white)
 - Prod ID 0626-0014 (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.
- Yield = 7.2 DFT/gallon.

- 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. Minimum one year shelf life if stored at 40°F-90°F.

7. AVAILABILITY AND COST

ACRYSHIELD A420 may be purchased directly from National Coatings Corporation. For information call 800-423-9557.

8. WARRANTY

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

9. MAINTENANCE

Periodic maintenance of **ACRYSHIELD RESTORATION 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® A420 ASTM D6083 Technical Data

Property	Requirement	Typical Results
Initial Tensile Strength (psi)	200 Minimum	> 250
Initial Elongation (%)	100 Minimum	> 250
Dry Adhesion (pli)*	No Reference	> 6.0
Wet Adhesion (pli)*	2 Minimum	> 4.5
Tear Resistance (lbf / in)	> 60	> 100
1000-hr Accelerated Weathering	No Cracking or Checking	No Cracking or Checking
Elongation After Accelerated Weathering (%)	100 Minimum	> 200
Permeance (perms)	50 Maximum	< 15
Fungi Resistance (Zero = No Growth)	Zero Rating	Zero Rating
Volume Solids (%)	> 50	45± 2
Weight Solids (%)	> 60	60 ± 2
Viscosity (KU)	85-141	110 ± 10
* Measured Over Aged PVC Substrate		

Cool Roof Data

Bright White	Method	Initial	Aged
Solar Reflectance	ASTM C1549	.83	.76
Thermal Emittance	ASTM C1371	.88	.92
SRI	Calculated	104	95
Sand	Method	Initial	Aged
Solar Reflectance	ASTM C1549	.74	.68
Thermal Emittance	ASTM C1371	.93	.93
SRI	Calculated	92	84

ACRYSHIELD A420 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.

