

# 07560 Membrane Roofing/Acrylic Coating

## 1. PRODUCT NAME

**ACRYSHIELD® HIGH REFLECTANCE A179**  
Roof Coating

## 2. MANUFACTURER

**NATIONAL COATINGS CORP.**  
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## 3. PRODUCT DESCRIPTION

**ACRYSHIELD A179** is an acrylic top coat with one of the highest solar reflectance of any other field applied coating. **A179** is designed to reduce roof degradation and prolong the life of the roof, thereby significantly lowering life-cycle costs. **A179** is used in AcryShield or AcryPly Roofing Systems and has been formulated to adhere to a wide variety of existing aged roofing systems to enhance the roofs solar reflectance.

**A179** is a superior coating for substrates that have minimal movement or in geographies where low temperature flexibility is not required. With excellent abrasion resistance, it has the ability to be applied at lower film thickness and over several different materials including: tile, cement, cementitious substrates, clay, and pavers.

### BENEFITS:

- *Ultra High-Reflectance*
- *Superior Hiding*
- *Excellent Abrasion Resistance*

- *Durable & Renewable*
- *Glossy Finish*
- *Guaranteed to Prolong Roof Life*
- *Significant Energy Savings*
- *Reduced Life-Cycle Costs*
- *Low VOC*

### APPROVALS:

- Energy Star



- CRRC Rated – Prod ID 0626-0015



- California Title 24



## 4. TECHNICAL DATA

See Table 1 on reverse side.

## 5. INSTALLATION

- Apply by spray, brush, or roller.
- All surfaces must be clean, dry, and free of dirt, grease, oil, degraded or chalked material, 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 Installation 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 A179** may be purchased directly from National Coatings. For information call 800-423-9557.

## 8. WARRANTY

Various warranties are available for specific AcryPly Roofing Systems, AcryShield Roof Management Systems, and AcryShield SPF Roofing Systems installed by approved applicators.

## 9. MAINTENANCE

Periodic maintenance of roofing systems containing **ACRYSHIELD A179** ensures extended performance and reduces life-cycle costs.

## 10. TECHNICAL SERVICES

Additional information, product brochures, and installation guide specifications are available.

## 11. FILING SERVICES

Additional product information is available from National Coatings.



## ACRYSHIELD® A179

### Technical Data

Property	Method	Typical Results
Initial Tensile Strength (psi)	ASTM D2370	665
Initial Elongation (%)	ASTM D2370	255
Wet Adhesion (pli)*	ASTM C794	7.6
pH	Report	8.9
Fungi Resistance (Zero = No Growth)	ASTM G21	Zero Rating
Tear Resistance	ASTM D624	385.75
Permeance	ASTM D1653	26.6
Water Swelling	ASTM D471	5.6
Volume Solids (%)	ASTM D2679	50 ± 2
Weight Solids (%)	ASTM D1644	60
Viscosity (KU)	ASTM D562	110 ± 10
* Measured Over Sprayed Polyurethane Foam		

### Cool Roof Data

Bright White	Method	Initial	Aged
Solar Reflectance	ASTM C1549	.92	.81
Thermal Emittance	ASTM C1371	.88	.85
SRI	Calculated	117	101

This product 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.

