

07560 Membrane Roofing/Acrylic Coating

**NATIONAL
COATINGS**

1. PRODUCT NAME

ACRYSHIELD® HIGH REFLECTANCE A590
Elastomeric Roof Coating

2. MANUFACTURER

NATIONAL COATINGS CORP.
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3. PRODUCT DESCRIPTION

ACRYSHIELD A590 is an ultra high-reflectance acrylic top coating for use in AcryShield or AcryPly® Roofing Systems. The high reflectance of **A590** is guaranteed to lower air conditioning energy costs even more than our other cool roof products.

A590 is also guaranteed to reduce roof degradation and prolong the life of the roof it is applied to, significantly lowering the life-cycle costs of the roof.

BENEFITS:

- *Ultra High-Reflectance*
- *Seamless Waterproofing*
- *Fully-Adhered Installation*
- *Durable & Renewable*
- *Guaranteed to Prolong Roof Life*
- *Cooling Energy Savings*
- *Reduced Life-Cycle Costs*
- *Environmentally Friendly*

APPROVALS:

- This product, in white, meets the ENERGY STAR® guidelines for reflectivity. Listing pending.



- CRRC Rated – Prod ID 0626-0006



- California Title 24 Compliant



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. AVAILABILITY AND COST

ACRYSHIELD A590 may be purchased directly from National Coatings. For information call 800-423-9557.

7. WARRANTY

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

8. MAINTENANCE

Periodic maintenance of roofing systems containing **ACRYSHIELD A590** ensures extended performance and reduces life-cycle costs.

9. TECHNICAL SERVICES

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

10. FILING SERVICES

Additional product information is available from National Coatings.



ACRYSHIELD® A590

ASTM D6083 Technical Data

Property	Requirement	Typical Results
Initial Tensile Strength (psi)	200 Minimum	280
Initial Elongation (%)	100 Minimum	430
Wet Adhesion (pli)*	2 Minimum	7.6
Permeance (perms)	50 Maximum	38
Fungi Resistance (Zero = No Growth)	Zero Rating	Zero Rating
Volume Solids (%)	> 50	50 ± 2
Weight Solids (%)	> 60	64 ± 2
Viscosity (KU)	85-141	110 ± 10
* Measured Over Sprayed Polyurethane Foam		

Cool Roof Data

Property	Method	White
Initial Solar Reflectance	ASTM C1549	.92
Thermal Emittance	ASTM E408	.87
* ASTM C1371		

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.

