

07560 Membrane Roofing/Acrylic Coating

**NATIONAL
COATINGS**

1. PRODUCT NAME

ACRYSHIELD® A550
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 A550 is an acrylic elastomeric coating offering urethane-like qualities with two to three times the level of elongation and tensile strength of our traditional products.

A550 provides superior protection against foot traffic and physical abuse. **A550** installs over a variety of substrates including Sprayed Polyurethane Foam (SPF), asphalt, single-ply, concrete and metal roofs.

A550 exceeds ASTM D6083 requirements for critical properties such as tensile strength, elongation, wet adhesion and weatherability.

BENEFITS:

- *Seamless Waterproofing*
- *Fully-Adhered Installation*
- *Extra Toughness*
- *Acrylic Durability*
- *Energy Savings*
- *Prolonged Roof Life*
- *Reduced Life Cycle Costs*
- *Renewable*
- *Low VOC*

APPROVALS:

- Product, in white, meets the ENERGY STAR® guidelines.



- California State Fire Marshall



- UL 790 Class A Rating



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



- ICC-ES ESR-2140



- California State Fire Marshall

- CRRC Rated – Prod ID 0626-0003



- 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.
- 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 A550 may be purchased directly from National Coatings Corporation. For information call 800-423-9557.

8. WARRANTY

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

9. MAINTENANCE

Periodic maintenance of **ACRYSHIELD SPF ROOFING SYSTEMS** and **ACRYSHIELD RESTORATION 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® A550

ASTM D6083 Technical Data

Property	Requirement	Typical Results
Initial Tensile Strength (psi)	200 Minimum	361
Initial Elongation (%)	100 Minimum	573
Dry Adhesion (pli)*	No Reference	7.5
Wet Adhesion (pli)*	2 Minimum	7.5
Tear Resistance (lbf / in)	> 60	105
1000-hr Accelerated Weathering	No Cracking or Checking	No Cracking or Checking
Elongation After Accelerated Weathering (%)	100 Minimum	470
Low Temperature Flexibility After Accelerated Weathering	Pass ½” Mandrel @ -15°F	Pass
Permeance (perms)	50 Maximum	9
Water Swelling (%)	20 Maximum	13
Fungi Resistance (Zero = No Growth)	Zero Rating	Zero Rating
Volume Solids (%)	> 50	54 ± 2
Weight Solids (%)	> 60	64 ± 2
Viscosity (KU)	85-141	110 ± 10
* Measured Over Sprayed Polyurethane Foam		

Cool Roof Data

Bright White	Method	Initial	Aged
Solar Reflectance	ASTM C1549	.86	.81
Thermal Emittance	ASTM C1371	.88	.93
SRI	Calculated	108	102

ACRYSHIELD A550 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.

