

07560 Membrane Roofing/Acrylic Coating

**NATIONAL
COATINGS**

1. PRODUCT NAME

ACRYSHIELD® A640
Elastomeric Roof Coating

2. MANUFACTURER

NATIONAL COATINGS CORP.
1201 Calle Suerte
Camarillo, CA 93012
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3. PRODUCT DESCRIPTION

ACRYSHIELD A640 is a unique, fast-setting, multi-purpose, acrylic, elastomeric coating for use over a variety of substrates including asphalt and metal roofing. **A640** provides resistance to early wash-off associated with heavy dew and light rain.

A640 has unique “bleed blocking” properties that make it particularly suited for coating over asphalt surfaces, and exceeds several 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:

- UL 790 Class A Rating



- ICC-ES ESR-2140



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



- CRRC Rated
-Prod ID 0626-0011 (white)
-Prod ID 0626-0030 (lt grey)



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

7. AVAILABILITY AND COST

ACRYSHIELD A640 may be purchased directly from National Coatings Corporation. For information call 800-423-9557.

8. WARRANTY

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

9. MAINTENANCE

Periodic maintenance of **ACRYSHIELD ROOF MANAGEMENT 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.



ASTM D6083 Technical Data

Property	Requirement	Typical Results
Initial Tensile Strength (psi)	200 Minimum	275
Initial Elongation (%)	100 Minimum	265
Dry Adhesion (pli)*	No Reference	6.5
Wet Adhesion (pli)*	2 Minimum	5.0
Tear Resistance (lbf / in)	> 60	100
1000-hr Accelerated Weathering	No Cracking or Checking	No Cracking or Checking
Elongation After Accelerated Weathering (%)	100 Minimum	220
Permeance (perms)	50 Maximum	12
Water Swelling (%)	20 Maximum	15
Fungi Resistance (Zero = No Growth)	Zero Rating	Zero Rating
Volume Solids (%)	> 50	52 ± 2
Weight Solids (%)	> 60	66 ± 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	.77
Thermal Emittance	ASTM C1371	.94	.92
SRI	Calculated	105	96
Light Grey	Method	Initial	Aged
Solar Reflectance	ASTM C1549	.72	.70*
Thermal Emittance	ASTM C1371	.90	.90*
SRI	Calculated	89	86*
*CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values. These values will be replaced with the measured three-year aged values upon completion of the weathering process. SRI values calculated using Rapid Ratings may change once the aged rating replaces the interim rating.			

ACRYSHIELD A640 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.

