



## NATIONAL COATINGS CORPORATION

1201 Calle Suerte, Camarillo, California 93012  
(800) 423-9557 FAX (800) 294-3866  
www.nationalcoatings.com

Dear *Roof Consultants, Architects and Specifiers*:

Thank you for your interest in National Coatings and our weatherproofing systems and services. We appreciate the opportunity to join with the specification community in providing commercial and industrial building owners and facility managers with high value, cost-effective solutions.

National Coatings:


- Pursues a “solutions” approach to customer satisfaction, understanding that customers have various needs that include routine surveys, leak response/repair, roof and wall restoration, complete re-roofing and new construction.
- Focuses on high performance weatherproofing that lasts longer and lowers costs over time.
- Commits to a systems approach that spans inspection, modeling, customized specifications, proven materials and applicators, post-job evaluations, preventive maintenance and warranty coverage.
- Values teamwork with building owners, specifiers, partner contractors and other manufacturers to achieve total project success.
- Partners with manufacturers and contractors who demonstrate quality products and workmanship and operate industry-leading business organizations.

Our products and systems are:

- Engineered for extra durability and sustainable with re-coat maintenance every 15-20 years.
- Reflective to block UV attack and sun heat build-up that degrades traditional materials.
- Spray-applied and fully-adhered to provide maximum protection.
- Designed to provide leak-free protection at lower life-cycle cost.
- Proven over two decades and only specified where appropriate to avoid the pitfalls and failures associated with misuse of technology and bad waterproofing practices.
- Compliant with various UL, ICC-ES, FM, ASTM, ENERGY STAR<sup>®</sup>, CRRC, and LEED<sup>®</sup> requirements.

I encourage you to review the enclosed materials, learn more about National Coatings at [www.nationalcoatings.com](http://www.nationalcoatings.com), request a Technical CD, and arrange for a roof visit with one of our Technical Consultants. We look forward to working with you.

Sincerely,



Matt Kolb  
President



# Why National Coatings

## OVER 30 YEARS OF PROVEN PERFORMANCE



National Coatings Corporation (NCC) is the leading commercial roofing system manufacturer, producing renewable, watertight, durable, weatherproofing roofing systems in service on hundreds of millions of square feet of commercial and industrial roofs and walls. In 1981, Rick Sexauer founded National Coatings to manufacture high-performance AcryShield® coatings focusing the company on providing dedicated service and superior products based on advanced acrylic technology. From entrepreneurial roots, National Coatings now serves hospitals, schools, and Fortune 500 clients (Google, Apple, Honda, etc...) in Manufacturing, Warehousing and Distribution, Commercial Property Management, Major Retailing, Entertainment and Hospitality.

### SUPERIOR PRODUCT PERFORMANCE & CONSISTENT QUALITY

AcryShield is the performance standard for durability, ease of application and return on investment. National Coatings has engineered product formulations for over 30 years to achieve a product line that goes well beyond "starting point" recipes. Our products have more UV blocking pigments; are richer in performance polymers providing strength, elasticity, adhesion and durability; contain low VOC's; have few water sensitive ingredients; and incorporate advanced microbial protection. AcryShield products meet rigorous standards set by ASTM, AIA, FM, ICC-ES, UL, ENERGY STAR, CRR, Miami-Dade County, and LEED. NCC helped champion the transition to ASTM D6083, the standard for a liquid applied acrylic coating used in roofing that provides the marketplace with objective performance criteria. (See page 14 for our ASTM D6083 rated products.)

### TECHNICAL INNOVATION

NCC takes the lead in innovating new products that provide greater long term protection, cost savings and overall performance within the roofing industry. In 2006 NCC introduced a line of coatings with superior adhesion and weatherproofing capabilities. The majority of our product line is offered with quick set technology allowing climates with heavy dew and light rain to enjoy the advantages of using acrylic coatings as a roofing option. Our A502 and A503 base coats offer advanced resistance to ponded water on your roof and provide maximum adhesion to Built-Up roofing and Single-Ply membranes without the use of sacrificial or caustic primers. Our AcryPly and ARM systems offer convenient proven performance options that are industry leading in terms of composition and performance. Industry high Solar Reflective Index (SRI) values and EPA Energy Star products available in Earth Tone colors offer building owners more ways to save energy, improve building comfort, and lower roof life cycle costs.



PERFORMANCE THROUGH INNOVATION®

## AWARD WINNING INDUSTRY LEADER



Twice, National Coatings has been selected from over 175 major roofing manufacturers as the EPA's ENERGY STAR® Partner of the Year. These prestigious awards not only recognize outstanding success at promoting energy-efficient roof products, but also single out NCC for its innovative use of decision-making software tools, its dedication to promoting quality and long-term performance, and its intensive efforts to educate contractors, specifiers, and building owners. NCC is the only roofing products manufacturer to receive this award to date.

## BENEFITS OF NCC ROOFING SYSTEMS

### NON-INTRUSIVE APPLICATION PROCESS

No drilling, nailing, or seam-welding is necessary, minimizing installation disruption. Low VOC's, no harmful or strong odors. These techniques allow you to keep your business open with minimal disruption to your facilities daily environment.

### REDUCED ROOF MAINTENANCE

Rich in UV blocking ingredients, AcryShield coatings protect your roof from sun damage and UV rays, which are the leading causes of roof degradation. Our coatings are also designed to protect your roof against foot traffic, hail and other harsh conditions that break-down the protection your roof needs.

### SEAMLESS MEMBRANE

NCC technical expertise allows for uniquely formulated products able to perform to specific needs of a customers roofing substrate. AcryShield coatings are tailored to fit your buildings needs exactly.

### QUICK INSTALLATION

Saving contractors time and building owners money, our quick-set products are specifically formulated to set quickly, resisting early wash-off associated with heavy dew or light rain.

### COST EFFECTIVE

50 - 70% less money than replacing your roof. In addition to energy savings, reduced life-cycle cost and reduced roof maintenance costs. (See the case history on page 7.)

### RENEWABLE

Our environmentally friendly roofing systems can extend your roof indefinitely. Coating your roof every 10 years will allow you to keep your existing roof watertight without ever having to worry about a costly tear-off. (See the case history on page 7.)

### WATERTIGHT

Proven for over 30 years to stop leaks. Providing additional layers of waterproofing, superior adhesion to your existing roof membrane, and resistance to ponded water.



800.423.9557

info@nationalcoatings.com • www.nationalcoatings.com

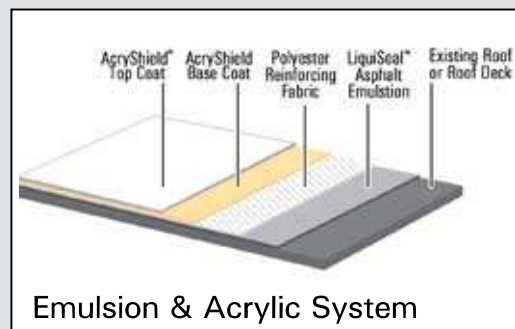
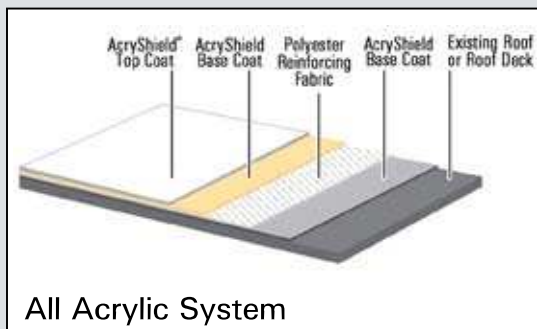
# Restoration, Maintenance and New Construction Systems

## SYSTEMS

| Existing Substrate | Roof Systems        |                 |   |   | Wall Systems                              |
|--------------------|---------------------|-----------------|---|---|---|
|                    | Restoration AcryPly | Maintenance ARM | New Construction and Restoration AcryShield SPF | New Construction and Tear-Off AcryPly-D | New Construction and Restoration RenuWall |
| Asphalt            | X                   | X               | X   |   |   |
| BUR                | X                   | X               | X   |   |   |
| Concrete           | X                   |                 | X   |   |   |
| EPDM               | X                   | X               |   |   |   |
| Hypalon            | X                   | X               |   |   |   |
| New Construction   |                     |                 | X   | X                                       | X   |
| Metal              |                     | X               | X   |   | X   |
| Mod Bit            | X                   | X               | X   |   |   |
| PVC                | X                   | X               |   |   |   |
| Single-Plies       | X                   | X               |   |   |   |
| SPF (Re-Coat)      |                     | X               |   |   |   |
| Stucco             |                     |                 |   |   | X   |
| TPO                | X                   | X               |   |   |   |
| Tear-Off           |                     |                 | X   | X                                       |   |
| Wood               |                     |                 | X   | X                                       | X   |

## RESTORATION SYSTEMS

### ACRYPLY® ROOFING SYSTEM



- LiquiSeal™ emulsion economically fills in any cracks and voids typically found in asphalt roofing, providing an added level of waterproofing and an excellent foundation upon which to build the balance of the membrane. Where roof substrates are smooth, such as with an existing single-ply, an all acrylic AcryShield system may be used.



PERFORMANCE THROUGH INNOVATION®

## RESTORATION SYSTEMS Continued...



### ACRYPLY® ROOFING SYSTEM

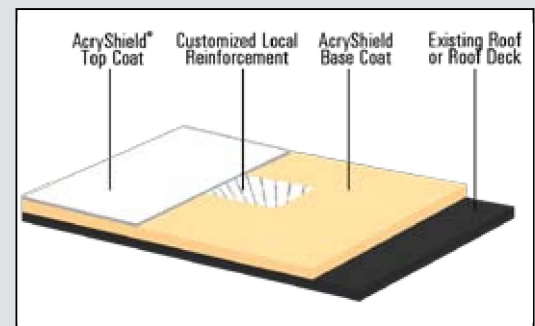
- Polyester fabric across the entire roof field creates an extremely durable reinforcing layer.
- AcryShield base coats provide an additional layer of waterproofing, superior adhesion, resistance to ponded water, bleed-through protection and resistance to plasticizer migration.
- AcryShield top coats provide industry leading UV protection, longevity and brightness. They are formulated for superior dirt pick-up resistance and protection against biological attack, such as algae and mold.

## MAINTENANCE SYSTEM



### ACRYSHIELD® ROOF MANAGEMENT SYSTEM (ARM)

- Use of a primer, where indicated, insures excellent adhesion.
- Custom localized reinforcement may be used where necessary.
- AcryShield base coats provide excellent waterproofing, superior adhesion, resistance to ponded water, bleed through protection and resistance to plasticizer migration.
- AcryShield top coats provide industry leading UV protection, longevity and brightness. They are formulated for superior dirt pick-up resistance and protection against biological attack, such as algae and mold.

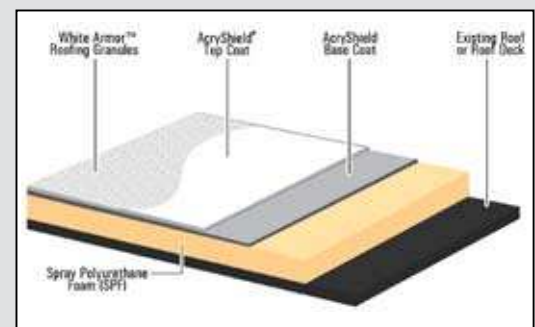


## NEW CONSTRUCTION / RESTORATION SYSTEMS



### ACRYSHIELD® SPRAYED POLYURETHANE FOAM (SPF) SYSTEM

- SPF adds custom insulation to the roof and provides a monolithic, closed cell waterproofing layer over the entire existing roof field.
- SPF is self-flashing and provides a custom slope roof to eliminate drainage problems.
- AcryShield base coats provide an additional foundation layer of excellent waterproofing and provides many additional benefits such as superior adhesion and resistance to ponded water.
- AcryShield top coats provide industry leading UV protection, longevity and brightness. Our top coats are formulated for superior dirt pick-up resistance and protection against biological attack, such as algae and mold.
- Brilliant White Armor™ Roofing granules may be added for appearance, impact and foot traffic protection, improved traction across the roof surface and enhanced durability.



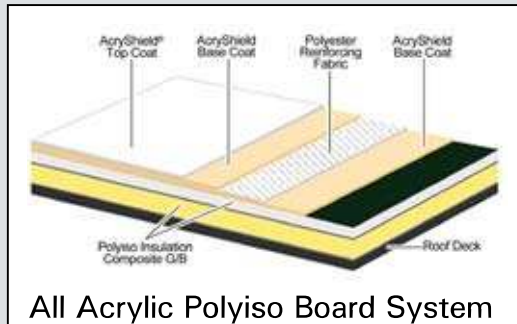
800.423.9557

info@nationalcoatings.com • www.nationalcoatings.com

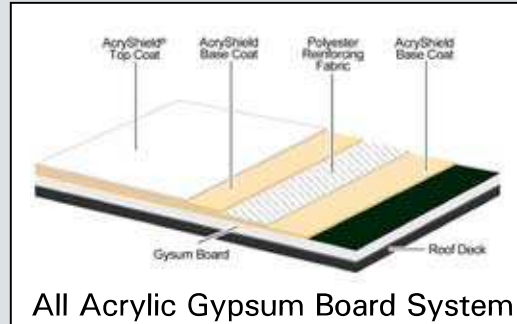
# Restoration & New Construction Systems

## NEW CONSTRUCTION / TEAR-OFF SYSTEMS

### ACRYPLY-D™ DECK UP SYSTEM



All Acrylic Polyiso Board System

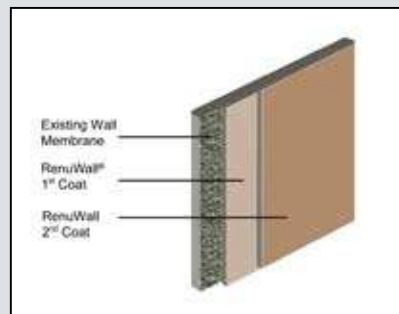


All Acrylic Gypsum Board System

- AcryShield elastomeric roof systems provide durable leak-free weatherproofing membranes with advanced UV protection; protecting the roof from UV rays decreasing the life-cycle cost of the new roof by minimizing the main cause of roof leaks and failures.
- AcryShield base coats provide excellent adhesion and resistance to ponded water.
- AcryShield top coats are formulated for superior dirt pick-up resistance, longevity, brightness and protection against biological attack, such as algae and mold.
- AcryPly-D systems have exceptional insulation R-values and have some of the highest per inch Long-Term Thermal Resistance (LTTR) values.

## WALL NEW CONSTRUCTION / RESTORATION SYSTEM

### RENUWALL® WEATHERPROOFING SYSTEM



- RenuWall provides a tough film that moves with the expansion and contraction cycles of a building to keep hairline cracks well sealed. As shrinkage cracks occur in new stucco, RenuWall bridges these openings to maintain a watertight and attractive surface.
- The RenuWall system prevents water from entering the building through cracks as small as one-sixteenth of an inch, keeping the interior of the building dry and waterproof.
- RenuWall coatings have high vapor permeability, allowing moisture vapor to flow out of the wall, and prevents rainwater from infiltrating into the wall assembly.
- Superior dirt pick-up resistance keeps RenuWall looking fresh and new throughout its lifespan.

NATIONAL

PERFORMANCE THROUGH INNOVATION®

COATINGS

## LIFE CYCLE COST & SAVINGS

### F&A FEDERAL CREDIT UNION CASE HISTORY

Size: 17,000 Square Feet • Location: Monterey Park, California



The building was originally covered with an EPDM product in 1992. In an effort to provide additional water protection, and decrease energy usage, the owners decided to coat the black EPDM surface white in 2000. Our Acryshield ARM system using base and top coats allowed the system to work perfectly to decrease the electricity cost associated with a heavy air conditioning load. In 2010 despite having considerable life left in the coating system, the owners decided to re-coat again, to ensure the performance and energy saving further into the future.

#### The Project

- Cleaned the roof using a pressure washer to optimize coating application.
- The roof was coated with two coats of AcryShield A500 roof coating - Forming a fully adhered, self flashing membrane over the existing, previously coated roof.
- Walk pads were installed around hatches and rooftop ventilator units by fully adhering them with National Coatings AcryFlex® sealant to protect the roof from potential damage caused by workers of other trades.

*"I was impressed with the ease of application of the National Coatings ARM EPDM Roof Maintenance System."*

*- John Eminhizer, Owner of Inland Pacific Roofing*

#### Life Cycle Cost & Savings

- Original EPDM roof was installed in 1992 at an approximate cost of \$51,000.
- Original Coating with Acryshield in 2000 at an approximate cost of \$34,000.
- Re-coated with Acryshield in 2010 at an approximate cost of \$49,000.
- RESULTS: The annual cost for the roof was only \$0.44 per square foot per year. If the original roof was recovered with the original membrane, the cost would have been \$85,000. If the two roofs were removed in 2010, as required by new building codes and replaced, the cost would be \$102,000. Thus the cost would be \$0.78 per square foot per year. This is a savings of \$0.33 per square foot per year or 56% over the 18 year life.

*"I love how cool the white keeps things on the inside of the building as well as how clean and white it looks from the top. F&A Credit Union values Inland Pacific Roofing's impeccable workmanship and service."*

*- Gina Salvucci, Key Contact at F&A Federal Credit Union*

#### Conclusion

- National Coatings AcryShield Roof Maintenance System is a cost effective method for long term roof asset management.
- The use of roof maintenance coatings can indefinitely defer re-roofing and the even higher cost of tear-off and replacement.
- In this case, the ARM roof life cycle cost was 56% lower than the traditional re-roofing option.
- This roof is a classic example of Sustainability: A roofing system that is designed, constructed, maintained, rehabilitated and demolished with an emphasis throughout its life cycle on using natural resources efficiently and preserving the global environment.

800.423.9557

info@nationalcoatings.com • www.nationalcoatings.com

# AcryShield® Roof Coating



After - Harbor Freight Tools - Camarillo, CA

## ASPHALT ROOFING: BUR & MOD BIT

Asphaltic based roofing products have long been used as protective waterproof coatings on many different types of roofs. Most people have experienced the smell of a hot tar truck as it was creating or renovating a new roof in their city. These asphalt and coal tar built up roofs have evolved to include prefabricated Built Up Roof (BUR) and Polymer Modified Bitumen (Mod Bit) Membranes available in smooth surface and granulated mineral surfaces. These types of roofs have performed well; however, the life expectancy is limited based on several different factors. Premature aging can result from excessive heat generated by the dark surfaces, water infiltration from bad drainage or improper flashing details, or poorly insulated buildings. These aging effects result in splitting and cracking of seams, excessive granule loss, blistering, and overall drying of the asphalt creating a brittle membrane.



These aging effects of an asphaltic based roof can be remedied using National Coatings products. Depending on the severity of the problem and the age of the roof, a roofing contractor can use our ARM or AcryPly systems to restore or extend the life expectancy of your roof. Our products are specially formulated to resist the difficulties of water, the bleed through effects of exposed asphalt, UV degradation of the asphalt product. Our high reflectivity and emissivity traits create a cool roof surface that can easily withstand the rigors of the summer sun. All these things can happen with little disruption for installation and almost no VOC emissions or harmful fumes during the process. The best part is this process can be done repeatedly without having to tear the roof off, creating a truly sustainable roof.

Key AcryShield Products for Asphalt Membranes\*:

AcryShield A400, A500, A420, A503, A510, A550, A590.

Quick Set Products: Fast setting base and top coats are available for asphaltic roof membranes.

\*Call National Coatings or your roofing contractor for exact products to meet your roofs needs.

**NATIONAL**

PERFORMANCE THROUGH INNOVATION®

**COATINGS**



## METAL ROOFING

Metal roofing has been used for centuries with great success in many different environments. In the last 30 years, standing seam metal roofs have become very popular in the commercial building world due to their strength and ease of installation. These roofs are installed by snapping sections together, then fastening the sections down with rubber grommet screws. Sealant is placed in the seam and at each lap to keep water from migrating to the interior of the building. Unfortunately, over time the grommets and sealant can weather and fail causing rust to develop, weakening the long term performance of the roof.

National Coatings has a long history of success restoring and enhancing the performance of metal roofs. We use high performance rust primers to inhibit future rust growth after it is removed in the preparation process. We use butyl tape products or caulk and fabric on all seams and screw penetrations to ensure a watertight building. We then apply a top coat that is engineered to the highest standards in the acrylic coating industry. These top coats offer high reflectance, durability, and a history of proven performance.

### Key AcryShield Products for Metal Membranes\*:

AcryShield A179, A400, A500, A510, A550, A590, RustShield A120, AcryFlex A150, Butyl Seam tape and caps.

Quick Set Products: Fast setting base and top coats are available for metal roof membranes.

\*Call National Coatings or your roofing contractor for exact products to meet your roofs needs.



Hundley Hardware - San Francisco, CA

800.423.9557

info@nationalcoatings.com • www.nationalcoatings.com

# AcryShield® Roof Coating



After - California Lottery Commission - Sacramento, CA

## SINGLE-PLY ROOFING: EPDM, HYPALON, PVC & TPO

Single-Ply roofing membranes are a common roofing alternative to traditional substrates such as asphaltic and metal roofing. Single-Ply membranes are rubberized or plasticized membranes that got their original concept from a simple pond liner. If they could hold water inside a pond, then they should be able to hold water outside of a building. Single-Ply roofing today comes in a variety of different products including EPDM, PVC, Hypalon and TPO membranes.

Single-Ply roofing is manufactured in multiple widths, but rarely do these widths accommodate a full roof. Much like an asphaltic membrane the single-ply membrane requires seams, which in this case, are heat welded. Over time or through poor workmanship these seams can fail and offer a perfect avenue for water infiltration. Left uncoated, these products may exhibit excessive wear, brittleness and chalking.

National Coatings has a unique ability to address most of these difficulties when they become an issue for a building owner. Most coatings require caustic primers, acid etching agents, or high VOC



solvents that need to be rinsed off and sometimes collected for disposal, adding additional cost to a roof life extension project. National Coatings products have a unique ability to coat any single-ply roofing membrane without the need to use any of these harmful products. Our state of the art coating systems adhere directly to all single-ply substrates providing a monolithic membrane without any of the seams that can be prone to failure. Coating restorations do not count as a new roof under most building codes, eliminating the need for periodic costly tear-off's. This process allows for a truly sustainable roofing system by implementing coating maintenance every 10 years.

### Key AcryShield Products for Single-Ply Membranes\*:

AcryShield A502, A500, A510, A550, A590.

Quick Set Products: Fast setting base and top coats are available for single-ply roof membranes.

\*Call National Coatings or your roofing contractor for exact products to meet your roofs needs.

**NATIONAL**

PERFORMANCE THROUGH INNOVATION®

**COATINGS**

## SPRAY FOAM ROOFING

Spray Polyurethane Foam (SPF) roofing has been in use for over 40 years. This incredibly versatile substrate offers outstanding water resistance and insulation values that are perfect for many situations. SPF can be sprayed to create slope, enabling water to be removed from low spots on a roof and fills gaps around roof penetrations and transitions. A major consideration when using SPF is to ensure an experienced applicator is involved that understands the importance of using proper methods to achieve a high performing product. NCC has an approved applicator program to help ensure you are getting safe, properly applied foam and coatings that will perform to the highest industry standards.

National Coatings Corporation offers several different types of coating which block virtually all the sun's harmful UV rays protecting the foam. Our products are outstanding watertight products on their own ensuring maximum water resistance for your roof. In addition, they save on energy costs, provide longer roof life, contain almost no VOC's and create very little disturbance of your work environment during application. NCC has been in use on foam roofs with proven success for over 30 years! A simple preventative maintenance program on your SPF roof can make it perform to the highest standards and last indefinitely.

### Key AcryShield Products for Spray Foam Membranes\*:

AcryShield A501, A500, A510, A550, A590, A600 and A610

Quick Set Products: Fast setting base and top coats are available for SPF membranes.

\*Call National Coatings or your roofing contractor for exact products to meet your roofs needs.



Reno Housing Authority - Reno, NV

800.423.9557

info@nationalcoatings.com • www.nationalcoatings.com

# AcryShield® Roof Coating



Reliant Stadium - Houston, TX - Coated TPO Membrane

## COATING COLORS

Standard four colors and custom colors are available.

\*Slight color, hue, tint, shade, and tone variations will exist between color samples and actual products manufactured or applied on site.



White Sand Light Gray Dark Gray  
Standard Colors\*



Orange Off-White Red Green  
Sample Custom Colors\*

## ASTM D6083

### STANDARD TEST CONDITIONS FOR LIQUID APPLIED ACRYLIC ROOF COATING

ASTM D6083 is an industry standard that sets minimum performance levels in numerous areas such as: viscosity, weight and volume solids; mechanical properties; adhesion; low temperature flexibility; tear resistance; permeation and water swelling; and fungi resistance. The industry standard allows people to effectively compare roof coating to roof with no difference in testing standards.

## AFFILIATES



Western States  
Roofing Contractors Association



PERFORMANCE THROUGH INNOVATION®

## PERFORMANCE EXPECTATIONS AND WARRANTY GUIDELINES

---

NCC products have the unique ability to provide short and long term solutions with varying performance capabilities, at several different price points. Many roofing companies are forced to sell you what they have available instead of being able to craft a solution specifically designed to meet your needs.

### NATIONAL COATINGS IS COMMITTED TO THE FOLLOWING:

- We encourage use of our coatings in restoration, re-roofing and new construction applications where we can confidently provide 5-20 years of leak-free performance.
- We seek to install sustainable systems that can be renewed well beyond their original warranty periods by utilizing appropriate reinforcement and re-coat approaches. We recognize that roof-life extensions yield financial savings well beyond energy savings.
- We use proven high quality materials that ensure the highest performance values compared to other coating manufacturers. We submit our products to the Cool Roof Rating Council, an independent listing service that evaluates participating coating products and lists the initial performance values and the subsequent 3-year aged performance values for public review. NCC coatings achieve some of the highest performance values possible due in large part to our commitment to these quality ingredients.
- We have approved applicators that go through an extensive review process to ensure the end customer is getting a quality installation from a solid company they can count on. NCC requires approved applicators on all full system warranty jobs.
- We have proven guide specifications available in 10, 15 and 20 year service-life increments for almost every substrate. Our versatility allows us to maintain or restore most roofing systems in varying levels of condition at a price point that works for the customer.

### NATIONAL COATINGS OFFERS PRODUCT GUARANTEES AND FULL SYSTEM WARRANTIES TO ENSURE PERFORMANCE EXPECTATIONS OF OUR CUSTOMERS

**Product Guarantee-** A product guarantee is offered with all our products when used according to manufacturer's specifications. This Product Guarantee states that our product is free of any defect in manufacturing. NCC will replace the product when such product proves to be defective in manufacture as determined by NCC. This Product Guarantee is often used in situations when a building owner has confidence in their installer or consultant, does not need a 10 year term of warranty, or they are seeking different performance values such as reflectivity. There is no cost for a product warranty, but an application does need to be submitted for each project.

**Full System Warranty-** A full system warranty states that failures incurred within the warranty period as defined within the warranty will be repaired at no charge to the building owner. There is a cost involved with this type of warranty as NCC assumes a major role to ensure the best possible installation. Some of these responsibilities include:

1. Comprehensive Roof Evaluation and Analysis
2. Customized Installation Specifications
3. Use of Approved Applicators
4. Preliminary, in Progress, and Post installation Inspections
5. A Plan for Preventative and Continued Maintenance.

For a detailed list of NCC's warranty requirements and costs contact us directly or visit our website at [www.nationalcoatings.com/tech-center/resources/warranty-information/](http://www.nationalcoatings.com/tech-center/resources/warranty-information/)

800.423.9557

info@nationalcoatings.com • www.nationalcoatings.com

# AcryShield® Roof Coating

## PRODUCT DESCRIPTIONS:

### ACRYSHIELD A400

A400 top coat has unique asphalt bleed-blocking properties making it particularly suited for a top coat over asphalt. A400 was developed specifically for areas in warm to moderate climates where temperatures do not drop below 0°F. A400 provides longevity and brightness with superior dirt pick-up resistance and protection against biological attack such as algae and mold. AcryShield A400 has excellent tensile strength, elongation, wet adhesion and weatherability, it exceeds all of the ASTM D6083 requirements except for low temperature flexibility.

### ACRYSHIELD A500

A500 is an excellent choice as a top coat over asphalt, single-ply, SPF, metal and concrete roofing. A500 can also be used as a base and top coat for both SPF and metal roofing. A500 provides longevity and brightness with superior dirt pick-up resistance and protection against biological attack such as algae and mold. A500 was developed specifically for areas where extra levels of low temperature flexibility is required (areas where temperatures drop below 0°F). AcryShield A500 exceeds all ASTM D6083 requirements and also offers excellent tensile strength, elongation, and wet adhesion.

### ACRYSHIELD A502

AcryShield A502 base coat is the industry standard, low VOC, high performance base coat for hard to coat surfaces such as Hypalon, TPO, EPDM and PVC roofing. A502 base coat eliminates the need for costly TPO replacement and provides unique AcryLock technology to tenaciously adhere directly to EPDM, TPO and Hypalon without the need for additional primers or an etching rinse. A502 provides an additional layer of waterproofing, superior adhesion, and resistance to ponded water.

### ACRYSHIELD A503

AcryShield A503 base coat is a one component, low VOC, water borne base coat with unique wet adhesion properties specifically designed to adhere to asphalt, mod bit, and concrete surfaces, allowing for superior protection against ponded water and eliminating the need for costly roof replacement.

### ACRYSHIELD A510

AcryShield A510 top coat can be used in place of A500 in areas where additional fire retardant packages are not required. A510 can be applied over asphalt, single-ply, SPF, metal and concrete roofing. A510 can also be used as a base and top coat for both SPF and metal roofing. A510 exceeds ASTM D6083.

### ACRYSHIELD A550

AcryShield A550 top coat can be applied as a multi-purpose base and top coat. It has double the toughness of any other AcryShield coating. With its urethane-like strength and elongation properties, this product is excellent for superior protection against foot traffic and physical abuse. A550 exceeds ASTM D6083.

### ACRYSHIELD A590

AcryShield A590 top coat has ULTRA high reflectance with superior UV protection. Can be applied as one coat over smooth substrates. Guaranteed to lower air conditioning energy costs and reduce roof degradation, prolonging the life of the roof, significantly lowering the life-cycle costs of the roof even more than our other cool roof products. A590 exceeds ASTM D6083.

### QUICK SET PRODUCTS

AcryShield Quick Set products are specifically formulated to resist early wash-off associated with light rain and heavy dew weather conditions. The full line of AcryShield Quick Set base coats (A602 & A603) and top coats (A600, A610 & A640) can be applied on virtually any roofing substrate.



**NATIONAL**

PERFORMANCE THROUGH INNOVATION®

**COATINGS**

This chart shows a product by product comparison of features and benefits related to each roofing substrate

◆ = top/base coat   ▲ = top coat   ▼ = base coat   ● = used

\*The following recommendations are ideal and follow NCC's Installation Guide Specifications.   \*\* Must use A130 PVC Primer

|                                   |   | INITIAL SPI | BUR, MOD BIT, ASPHALT | HYPALON® | EPDM/TPO | PVC** | SPF | METAL | CONCRETE |
|-----------------------------------|---|-------------|-----------------------|----------|----------|-------|-----|-------|----------|
| <b>COATINGS</b>                   |   |             |                       |          |          |       |     |       |          |
| AcryShield® High Reflectance A179 | Ultra-high reflectance (white), performance top coat where low temperature flexibility is not required.   | 118         |                       |          |          |       |     | ▲     | ◆        |
| AcryShield A400                   | Multi-purpose, performance elastomeric roof coating for use over asphaltic substrates where low temperature flexibility is not required. Unique "bleed blocking" properties make it particularly suited for coating over asphalt. | 104         | ▲                     |          |          |       |     | ▲     |          |
| AcryShield A420                   | Multi-purpose, standard elastomeric roof coating for use over asphaltic substrates.   | 104         | ▲                     |          |          |       |     |       |          |
| AcryShield A500                   | Performance elastomeric roof coating for use over SPF, single-ply and asphalt roofing, or where extra levels of low temperature flexibility are required. Includes fire retardant package.  | 104         | ▲                     | ▲        | ▲        | ▲     | ◆   |       |          |
| AcryShield A510                   | Standard elastomeric roof coating for use over SPF, single-ply, metal, concrete and asphalt roofing, or where extra levels of low temperature flexibility are required.   | 106         | ▲                     | ▲        | ▲        | ▲     | ◆   | ◆     | ◆        |
| AcryShield A550                   | Performance, extra tough, elastomeric roof coating for increased physical abuse resistance.   | 108         | ▲                     | ▲        | ▲        | ▲     | ◆   | ◆     | ▲        |
| AcryShield High Reflectance A590  | Ultra-high reflectance, premium elastomeric acrylic coat.   | 117         | ▲                     | ▲        | ▲        | ▲     | ◆   | ▲     | ▲        |
| AcryShield A600                   | Performance elastomeric roof coating. Fast-setting version of A500, for resisting early wash-off associated with heavy dew and light rain. Includes fire retardant package.   | 104         | ▲                     | ▲        | ▲        | ▲     | ◆   |       |          |
| AcryShield A610                   | Performance elastomeric roof coating. Fast-setting version of A510, for resisting early wash-off associated with heavy dew and light rain.  | 109         | ▲                     | ▲        | ▲        | ▲     | ◆   | ◆     | ◆        |
| AcryShield A640                   | Performance elastomeric roof coating. Fast-setting version of A400, for resisting early wash-off associated with heavy dew and light rain.  | 105         | ▲                     |          |          |       |     |       |          |
| RenuWall® A300                    | Above grade performance elastomeric wall coating for use on concrete, stucco, and masonry walls.  |             |                       |          |          |       |     |       | ▲        |
| <b>BASE COATINGS</b>              |   |             |                       |          |          |       |     |       |          |
| AcryShield Vapor Retarder A410    | Low-perm elastomeric base coat specifically designed for the exterior of buildings and rooms where there is reverse vapor drive (cold storage, food packing plants, etc.).  |             |                       |          |          |       | ▼   |       |          |
| AcryShield A501                   | Elastomeric base coat with optimum adhesion to SPF.   |             |                       |          |          |       | ▼   |       |          |
| AcryShield A502                   | Performance elastomeric base coat for hard to coat surfaces such as Hypalon, TPO, EPDM, and PVC**   |             |                       | ▼        | ▼        | ▼     |     |       |          |
| AcryShield A503                   | Performance elastomeric base coat for Concrete, BUR, Mod Bit, and Asphalt Emulsion coated roofing.  |             | ▼                     |          |          |       |     |       | ▼        |
| AcryShield A602                   | Fast-setting version of A502 base coat. Ideal for hard to coat surfaces.  |             |                       | ▼        | ▼        | ▼     |     |       |          |
| AcryShield A603                   | Fast-setting version of A503 base coat.   |             | ▼                     |          |          |       |     |       | ▼        |
| <b>SEALANTS &amp; PRIMERS</b>     |   |             |                       |          |          |       |     |       |          |
| ClearSeal A101                    | Acrylic primer/sealer for mineral cap sheet, concrete, or other porous surfaces.  |             | ●                     |          |          |       |     |       | ●        |
| RustShield A120                   | Rust-inhibitive acrylic primer.   |             |                       |          |          |       |     | ●     |          |
| PVC Primer A130                   | Provides excellent adhesion for PVC Roofing that retards the diffusion of plasticizer from PVC roofs.   |             |                       |          |          | ●     |     |       |          |
| AcryFlex® A150/A151               | Performance acrylic sealant for cracks, surface imperfections, seams & detail areas. Available in A150 trowelable & A151 brushable grades.  |             | ●                     | ●        | ●        | ●     | ●   | ●     | ●        |
| Black Primer A450                 | Black acrylic primer particularly suited for use under SPF roofing & over a wide variety of substrates.   |             | ●                     |          |          |       | ●   | ●     | ●        |
| Butyl Caps/Seam Tape              | Polyester-reinforced sealant - Caps for sealing roof fasteners & tape for sealing roof edges and seams.   |             |                       |          |          |       |     | ●     |          |
| <b>SPRAY FOAM ROOFING</b>         |   |             |                       |          |          |       |     |       |          |
| 2.5lb - 3.0lb                     | Two-component system of polymeric isocyanate "A-Component" and a "B-Component" closed cell spray foam roofing products.   |             |                       |          |          |       | ●   |       |          |
| <b>ASSOCIATED PRODUCTS</b>        |   |             |                       |          |          |       |     |       |          |
| Industrial Cleaner                | Concentrated, non-corrosive, biodegradable, water-soluble cleaner used in preparation of roof prior to coating application  |             | ●                     | ●        | ●        | ●     | ●   | ●     | ●        |
| LiquiSeal™ A200                   | Non-fibered, asphaltic bentonite clay emulsion containing no asbestos.  |             | ●                     |          |          |       |     |       |          |
| LiquiSeal A201                    | Asphaltic bentonite clay emulsion modified with acrylic rubber.   |             | ●                     |          |          |       |     |       |          |
| T272, T325, T326                  | High-tensile strength polyester reinforcing fabrics.  |             | ●                     | ●        | ●        | ●     | ●   | ●     | ●        |
| White Armor™ Roofing Granules     | Brilliant White roofing granules.   |             | ●                     | ●        | ●        | ●     | ●   | ●     | ●        |

800.423.9557

info@nationalcoatings.com • www.nationalcoatings.com