SealTech

RENEWABLE AND SUSTAINABLE ROOF SYSTEMS







BEFORE **AFTER**

Transform Your Roof. Preserve Your Investment.

Integrate your existing membrane into a new reinforced roof system.

The Reinforced Roof System

Colorado's Leader In Custom Fluid Applied Reinforced Membrane Roof Systems

CALL US NOW - 720-844-9911

SealTech Solutions | 720-844-9911 | info@sealtechsolutions.co

Reinforced Roof System



What Is the Reinforced Roof System?

The Reinforced Roof System is not a coating. It fully adheres to your existing membrane and integrates it into one seamless roof: a proven, high-performance roof system with over 50 years of field history.

Custom manufactured on site, this monolithic reinforced membrane is fluid applied for 100% adhesion to the existing roof substrate without adhesives or mechanical fasteners.

The system consists of multiple layers: waterproof emulsion and high-strength stitchbonded polyester fabric, followed by premium acrylic membrane with additional fabric reinforcement, and finished with a highly reflective acrylic radiant barrier.

Once installed, the entire roof—including curbs, penetrations, and parapet walls—is fully encapsulated into a seamless, monolithic membrane that is approximately three to four times stronger than conventional roofing systems.

The Benefits of the Reinforced Roof System

- **Lifetime Renewable and Transferable Warranty** The roof will never need to be replaced.
- **No Roof Tear-Offs** The system fully adheres directly to any existing roofing system—even buildings with multiple layers—eliminating costly and disruptive tear-offs, where existing roof conditions permit.
- **True Seamless Monolithic System** A fully seamless membrane with no joints or seams, virtually eliminating leak potential.
- **Quick and Easy Repairs** Localized damage can be repaired efficiently and effectively.
- **Exceptional Durability** The acrylic radiant barrier is FM 4470 severe hail rated.
- **Proven Longevity** Backed by over 50 years of successful field performance.
- **Significant Energy Savings** Reflective properties deliver 20%–40% reduction in energy costs.
- **Environmentally Responsible** Minimizes waste and reduces the environmental impact of roofing projects.

The roof is the most critical component of any structure. When properly designed, installed, and maintained, the SealTech Solutions Reinforced Roof System provides a long-term solution backed by a Material and Labor warranty that is renewable and transferable. Each roof membrane is custom built on site and can be fully adhered to virtually any existing substrate, including asphalt, gravel, concrete, EPDM, foam, metal, modified bitumen, TPO, and PVC.



Factory Membrane Limitations

Factory Membrane Limitations

Factory-manufactured single-ply membranes such as TPO, PVC, and EPDM have inherent limitations. Studies indicate that for every 10,000 square feet of roof, these systems typically contain approximately 6,000 fastener penetrations.

Fasteners are a primary source of failure. They wear, break, and rust over time, accounting for roughly 40% of membrane punctures. Mechanically attached membranes are especially vulnerable in high-traffic areas, where fasteners can eventually wear through the membrane. Even fully adhered systems rarely achieve more than 35% actual adhesion.

In addition, every 10,000 square feet of factory membrane contains approximately 15,000 linear feet of seams. These seams, along with fastener locations, represent thousands of potential failure points. Even minor breaches or adhesion failures can result in significant leaks that are often difficult to locate and repair.

When single-ply factory membranes reach the end of their service life, they typically require a complete tear-off and full roof replacement—an expensive, time-consuming, and highly disruptive process.



System Layers

- Acrylic Membrane
- Polyester Membrane
- Acrylic Membrane
- Polyester Membrane
- Emulsion Membrane
- Existing Roof Membrane

The Reinforced Roof System

The reinforced membrane is manufactured directly on site by trained applicators, fully adhering it to your existing roof membrane. The installation process includes the following steps:

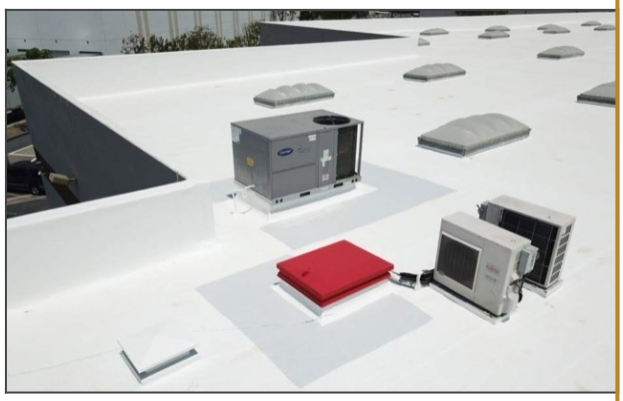
- All existing damage is repaired to ensure the current roof is fully watertight.
- A fully adhered emulsion membrane is applied, with a layer of high-strength stitchbonded polyester fabric embedded into the emulsion, creating a new reinforced watertight base layer.
- A premium acrylic membrane is then applied, with a second layer of stitchbonded polyester fabric embedded to form a reinforced mid-layer.
- Finally, a top-layer finishing acrylic membrane is applied, resulting in a new monolithic, seamless, fluid-applied reinforced roof system.

The system is built with two to three reinforced layers, depending on the warranty term selected (20 to 25 years). For the longer-term system, an additional emulsion membrane layer with embedded fabric reinforcement is applied prior to the first acrylic layer.

This fully adhered system creates an exceptionally durable, multi-layered monolithic membrane: 125 mils of new reinforced membrane, fully bonded to your existing 60-mil membrane. When properly maintained, the system can be renewed repeatedly, delivering reliable performance for the life of your building.

Western Colloid is trusted by America's most demanding building owners, property management firms, corporations, school districts, and many local, state, and federal government agencies, all requiring higher industry roofing standards.

Monolithic Membrane Options



A Fluid Applied Monolithic Membrane Roof System

Reinforced Roof System – Built for Life

Every Western Colloid roof system is backed by a renewable and transferable warranty.

- **Renewable Warranty** Before the end of each warranty period, the roof can be resurfaced to extend the warranty for an additional ten years. This process can be repeated every ten years for the life of the building.
- **Transferable Warranty** The warranty transfers to future building owners, adding long-term value to your property. New owners can continue renewing the warranty every ten years, ensuring protection for the life of the building.

Warranty Options—20 and 25 yr Warranties

All systems include a standard warranty with a 2" hail rider. All warranties are renewable and transferable.

Unlimited Lifetime Renewable Warranty

At or before the end of the warranty period, your Reinforced Roof System can be resurfaced with a fresh application of the premium acrylic radiant barrier. This simple maintenance process extends the warranty for an additional ten years.

The resurfacing process can be repeated indefinitely, allowing the roof to last the life of your building without ever requiring a full replacement.



ElastaHyde Acrylic Colors – Can be made available in a number of colors.

Standard: White. **Premium:** California Tan, Standard Tan, Platinum Grey, Standard Grey.

Custom: ElastaHyde Acrylic can be custom-matched to nearly any color, including specialty shades such as the red used on the Staples Center in Los Angeles, California.

White	California Tan	Standard Tan	Platinum Grey	Standard Grey

SealTech

Western COLLOID
LAYERS OF EXPERIENCE & QUALITY for 50 YEARS

Clients with Reinforced Roof Systems

CB Richard Ellis
Watson Land Company
Arden Realty
Prologis
Safeway
Ikea
Wells Fargo Bank
The Irvine Company
Bank of America
City National Bank
Cox Communications
Lowes
The State of Hawaii
U.S. Coast Guard
Army Corps of Engineers





Facilities with Reinforced Roof Systems

Harkins Theater - Northfield Blvd, Denver, CO
Boeing Facility - Long Beach, CA (Over 1,000,000 sq ft)
Seagate Manufacturing Facility - Fremont, CA
Vons Markets - California, Over (150 Markets)
Safeway - Denver, CO | Wyoming
Frito-Lay - Plano, TX
Paramount Studios - Los Angeles, CA.
1901 Avenue of the Stars - Los Angeles, CA.
Home Depot Stores - Various stores throughout the western U.S.
Lockheed Martin / Missiles & Space - Sunnyvale, CA (2,000,000 sq ft)
The Madison Exchange - Denver, CO
Federal Building - Albuquerque, NM
Fleischmann Planetarium - University of Nevada, Reno, Nevada
Army Supply - Dallas, TX
Trammell Crow Properties - Properties in California, Nevada, Oregon and Washington - Over 5,000,000 sq ft
MLFurs & Luxury Skiware - Denver, CO
Randall Farms - Distribution Facility, Commerce, CA.

Together with our partner Western Colloid, we offer the industry's only 100% No-Leak guarantee warranty on materials and labor and can include a 2" hail rider. This is a lifetime renewable and transferable warranty.

A Reputation For Quality

SealTech Solutions works with trained, qualified applicators to bring the industry's leading Monolithic Fluid Applied Reinforced Membrane Systems to your roof. We support specification and perform inspections, while trained applicators perform the installation and honor the warranty work.

We are committed to delivering outstanding results for every customer. In partnership with our industry-leading suppliers, we offer the industry's only 100% guaranteed, No-Leak, No-Dollar-Limit (materials and labor) lifetime renewable and transferable warranty, which includes a 15-year 2-inch hail coverage rider, with warranty work honored by trained applicators.

Roof System Accreditations

UL
ENERGY STAR PARTNER
FM APPROVED
U.S. GREEN BUILDING COUNCIL MEMBER
CRRC COOL ROOF RATING COUNCIL MEMBER
ICC ES
TITLE 24 COMPLIANT
MIAMI-DADE COUNTY APPROVED



SealTech

www.SealTechSolutions.co | Office: 720-844-9911 | info@sealtechsolutions.co