



UNIFLEX®
Fluid Applied Roofing Systems

PROTECTION



Starts At The Top





UNIFLEX®
Fluid Applied Roofing Systems



Innovation



**Outstanding
Durability**



**Energy
Efficiency**



**Extensive
Warranty
Coverage**



**Sustainable
Solutions**



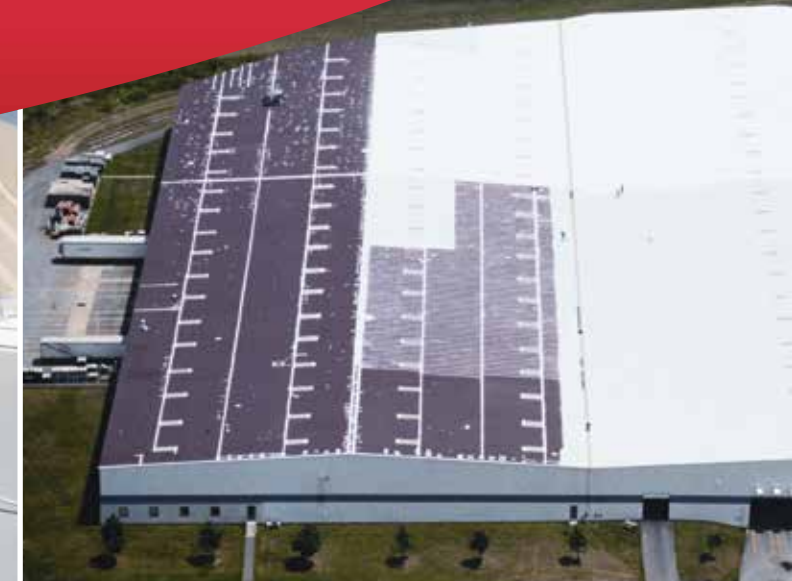
**Environmental
Responsibility**



**Authorized
Contractor
Network**



**Nationwide
Distribution
Network**





Roofing performance is one of the most critical concerns facing building owners today. An underperforming roof system can lead to costly damage to assets inside the facility, building envelope disintegration, and the high cost of ongoing maintenance and repairs. To avoid these problems, roofs need the best protection available on the market today: UNIFLEX Fluid Applied Roofing Systems.

With UNIFLEX, protection starts at the top.



UNIFLEX is a trusted leader in roofing technology, having engineered the industry's first fluid applied roof coating in 1946. By meeting the high quality management standards set by the International Organization for Standardization (ISO), UNIFLEX became one of the first in the business to receive ISO 9001 registration.

Since then, UNIFLEX has grown through a network of approved contractors, architects, and roofing consultants who trust UNIFLEX's history of innovation and industry leadership.

Facility designers, engineers, contractors, and building owners take advantage of UNIFLEX's versatility in the following markets:

UNIFLEX also protects the environment. UNIFLEX's complete line of highly reflective systems and accessory products are designed to reflect the sun's heat and damaging UV radiation. These systems, in accordance with the EPA's ENERGY STAR® program guidelines, assist in lowering roof surface temperature and decreasing the amount of heat transferred into the building – which in turn provides significant energy savings.

UNIFLEX offers long-term warranties, including 5-year, 10-year and 15-year labor and material warranties. UNIFLEX's authorized network of contractors will provide competent, worry-free installation, with knowledgeable sales and technical support staff on call during every phase of the project. Being a business unit of The Sherwin-Williams Company, UNIFLEX's nationwide distribution network, with over 3,400 locations, is unparalleled in the industry.

With a comprehensive product portfolio to cover a wide variety of roof types, UNIFLEX provides the total roofing solution.

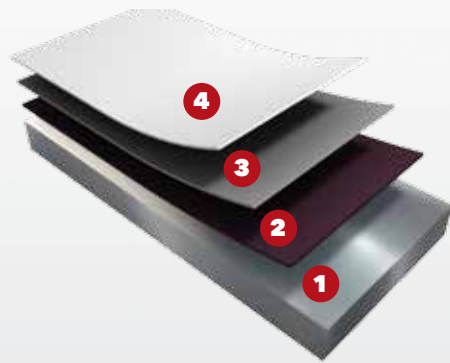


UNIFLEX offers a variety of fluid applied roofing system solutions that meet the demands of every roofscape and climate. These systems minimize thermal shock, ensuring that the roof will last longer and perform better.

UNIFLEX high-performance roofing systems have excellent tensile strength and high reflectivity, keeping the roof closer to ambient temperature and decreasing thermal expansion. Reducing temperature fluctuations on the roof will minimize thermal stress on seams, flashing detail, and fasteners – in short, the entire roofing system.

UNIFLEX Fluid Applied Elastomeric Roofing System

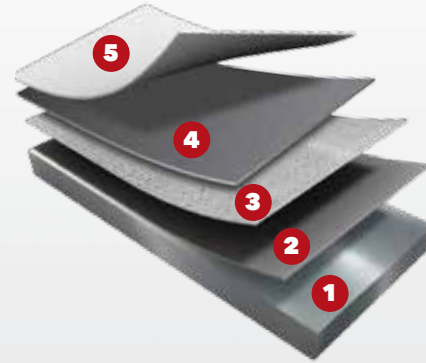
UNIFLEX's elastomeric roofing system is engineered to provide maximum water resistance and protect the building from leaks. With both acrylic and solvent-based formulations, these fully adhered and monolithic systems provide seamless protection for even the most challenging roofs. Extend the building's life cycle and reduce energy consumption with UNIFLEX's highly reflective elastomeric roofing system.



- 1 Roof Substrate
- 2 UNIFLEX Primer (optional)
- 3 UNIFLEX Base Coat
- 4 UNIFLEX Premium Finish Coat

UNIFLEX Fluid Applied Fabric-Reinforced Roofing System

For roofs that require the most rugged protection from the elements, UNIFLEX offers a high-performance, fabric-reinforced roofing system. Available in both acrylic and solvent-based formulations, these systems combine the waterproofing protection of the elastomeric product with an embedded, high-strength reinforcement fabric. This helps the roof resist wind and hail damage by creating a strong, fully adhered, lightweight membrane that helps prevent the two primary causes of roof leaks – splitting and rupturing.



- 1 Roof Substrate
- 2 UNIFLEX Base Coat
- 3 UNIFLEX Polyester Reinforcement Fabric
- 4 UNIFLEX Base Coat
- 5 UNIFLEX Premium Finish Coat

UNIFLEX Fluid Applied Roofing Systems can be applied for the restoration of these existing roof types:



METAL



SINGLE-PLY



CONCRETE



POLYURETHANE FOAM



ASPHALT/BUR/
GRANULAR CAP SHEET

Benefits of UNIFLEX Fluid Applied Roofing Systems



No Tear-Offs

- **No Disruption To Occupants.** With UNIFLEX, there is no need to close the building during installation. The non-toxic formulation means no disruption to occupants and no interruption of business.
- **Lightweight Solution.** Unlike traditional roof replacement, UNIFLEX Fluid Applied Roofing Systems provide a lightweight solution to roofing needs. It's ounces, not pounds, per square foot.

Extend the Life of Your Roof

- **Longer Building Life Cycle.** UNIFLEX Fluid Applied Roofing Systems are installed onto existing roofs to extend the service life of the facility.
- **Great Weatherability.** UNIFLEX Fluid Applied Roofing Systems are resistant to blistering, chalking, checking, cracking, and flaking – protecting the roof from further weathering and degradation.

Sustainable Solutions

- **Environmentally Responsible.** The formulations of UNIFLEX Fluid Applied Systems do not require hot kettles or flames during installation. It's a safer process, and the environmental benefits are significant.
- **Lower Roof Temperatures.** Highly reflective white coatings reflect 85% of the sun's radiant heat, dramatically lowering the temperature of the underlying roof and preventing further degradation.

Seamless Waterproofing

- **Proven Performance.** UNIFLEX Fluid Applied Roofing Systems are fully adhered and monolithic (seamless), protecting the investment and providing maximum durability.

Energy & Utility Savings

- **Significant Energy Savings.** According to EnergyStar.gov, having a white, reflective roof reduces the roof's surface temperature by up to 100°F (black to white) significantly decreasing the amount of heat transferred into the building and reducing peak cooling demands. Higher reflectivity = lower energy consumption and lower cooling costs.
- **Cost-Saving Installation.** UNIFLEX Fluid Applied Roofing Systems are typically easier to install and maintain than a conventional tear-off roof and also eliminate unnecessary construction waste. This means such projects generally cost a fraction of the price of a new roof installation.
- **Tax Benefits.** Because roof maintenance jobs are often deductible in the first year while most total roof replacements are not, some building owners realize a tax benefit when using UNIFLEX Fluid Applied Roofing Systems.
- **Utility Rebates.** Some utility companies offer rebates to building owners who conserve energy by using white reflective fluid applied roofing systems. Local utility companies can provide more details about their energy rebate programs. Further details can be found at www.dsireusa.org.

Specialty Systems

In addition to reflective white roofing systems, UNIFLEX also specializes in asphalt restoration systems and custom roof colors. These specialty systems provide the total solution for even the most challenging roofing projects.

Asphalt Restoration System

When restoring asphaltic roofs, UNIFLEX offers both fibered and non-fibered asphaltic emulsion systems that can be fabric reinforced and finished with a reflective finish coat.



Gravel BUR



Reinforcement fabric embedded into UNIFLEX non-fibered asphalt emulsion



Gravel BUR restored with UNIFLEX asphalt emulsion system and top coated with premium white reflective finish coat

Custom Colors

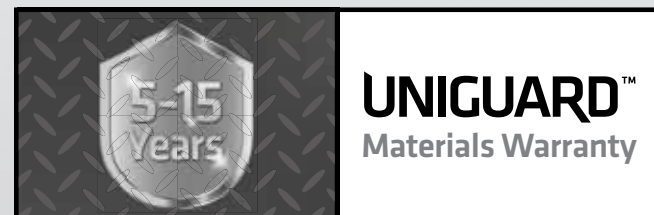
A roof is a high-visibility structure. UNIFLEX's sophisticated color-matching capabilities can formulate custom roof colors to match an existing roof, or UNIFLEX can create a new roof color design.



UNIGUARD™ Warranty Program

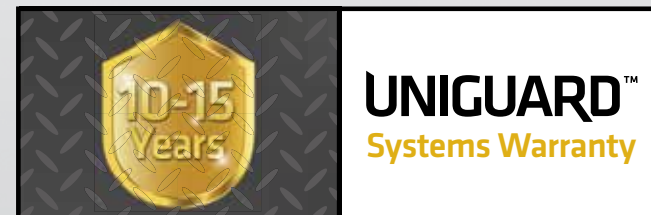
Making an investment in roof restoration is an important decision. To have the added peace of mind knowing that a high-performance roof system was professionally installed by an authorized contractor and that it is backed by one of the roofing industry's best warranties makes that decision easier.

Through the UNIGUARD™ Warranty Program, UNIFLEX offers both material and total system warranties for many of the different fluid applied roofing system installations. As a business unit of The Sherwin-Williams Company, UNIFLEX systems are backed by a multi-billion-dollar organization.



5/10/15 Year UNIGUARD™ Materials Warranty

UNIGUARD™ materials warranties are recommended for roofs where basic preventative maintenance is needed and where the existing roof condition is sound with few leak issues. UNIFLEX materials-warranted systems are installed by a UNIFLEX Authorized Contractor per required application specifications.



10/15 Year UNIGUARD™ Systems Warranty

UNIGUARD™ 10 and 15-year systems warranties provide comprehensive protection and coverage for a professionally installed UNIFLEX Fluid Applied Roofing system. A full line of coatings, flashing materials, seam tapes, reinforcing fabrics, sealants and other UNIFLEX branded products are used in these installations, creating a completely watertight and fully enveloped roof system.

Innovation

Testing & Approvals

UNIFLEX products are certified by a wide variety of industry agencies, including ENERGY STAR® (a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy) and the Cool Roof Rating Council (CRRC). UNIFLEX Fluid Applied Roofing Systems have a number of different roof assemblies tested by Factory Mutual (FM 4470) standard. UNIFLEX coatings are also UL Class A Approved and meet the stringent requirements of, NSF, Miami-Dade County and Florida Building Code.



Research & Development

UNIFLEX's state-of-the-art research and development facilities are unparalleled. Every UNIFLEX product undergoes rigorous testing before it reaches the market. Product concept testing and field technical trials are performed exhaustively before product launch at the weathering farms in Medina, Ohio and Ocala, Florida.

Advancing Technology

UNIFLEX leads the industry in innovation, quality, and cutting-edge technology, with an investment in research and development that represents the largest research effort in North America devoted exclusively to coatings innovation and development. With staff scientists, chemists and engineers located in the Ohio research centers, UNIFLEX's Commercialization, Emerging Technologies, and Raw Materials/Analytics labs work hard to ensure that UNIFLEX products set the industry standard.

UNIFLEX Member Organizations



Fire and Wind Uplift Resistance Testing



Weathering Farm, Medina, OH



Highly trained scientists and chemists on site

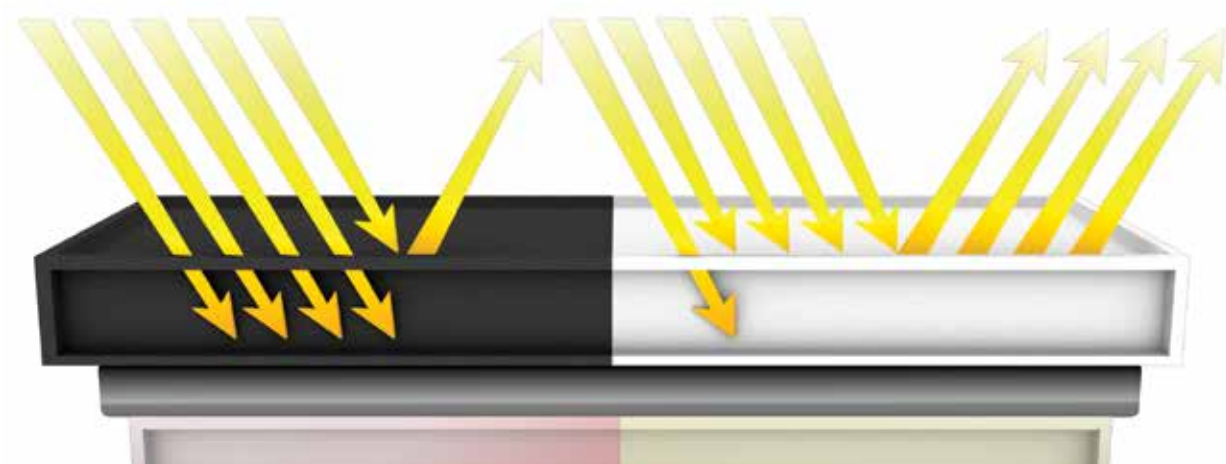
Cool Roof Technology

What Is A Cool Roof?

- A roof that reflects the sun's heat and releases absorbed heat back into the atmosphere
- The roof surface temperature is usually only slightly higher than the air temperature

Benefits of Cool Roofs Include:

- Increased occupant comfort, especially during hot summer months
- Reduced HVAC system use, resulting in energy savings
- Reduction in Heat Island Effect and smog
- Compliance with code and green building programs
- Peak energy savings and electrical grid stability



When sunlight hits a **BLACK ROOF**

When sunlight hits a **UNIFLEX WHITE ROOF**

Roof Temperature: 158.5° F

Roof Temperature: 91.5° F



In full sun, the surface temperature of a black roof may rise as much as 90°F, reaching midday temperatures of 150-190°F. This places a heavy strain on the building's air conditioning unit, as it struggles to keep temperatures comfortable within the facility.

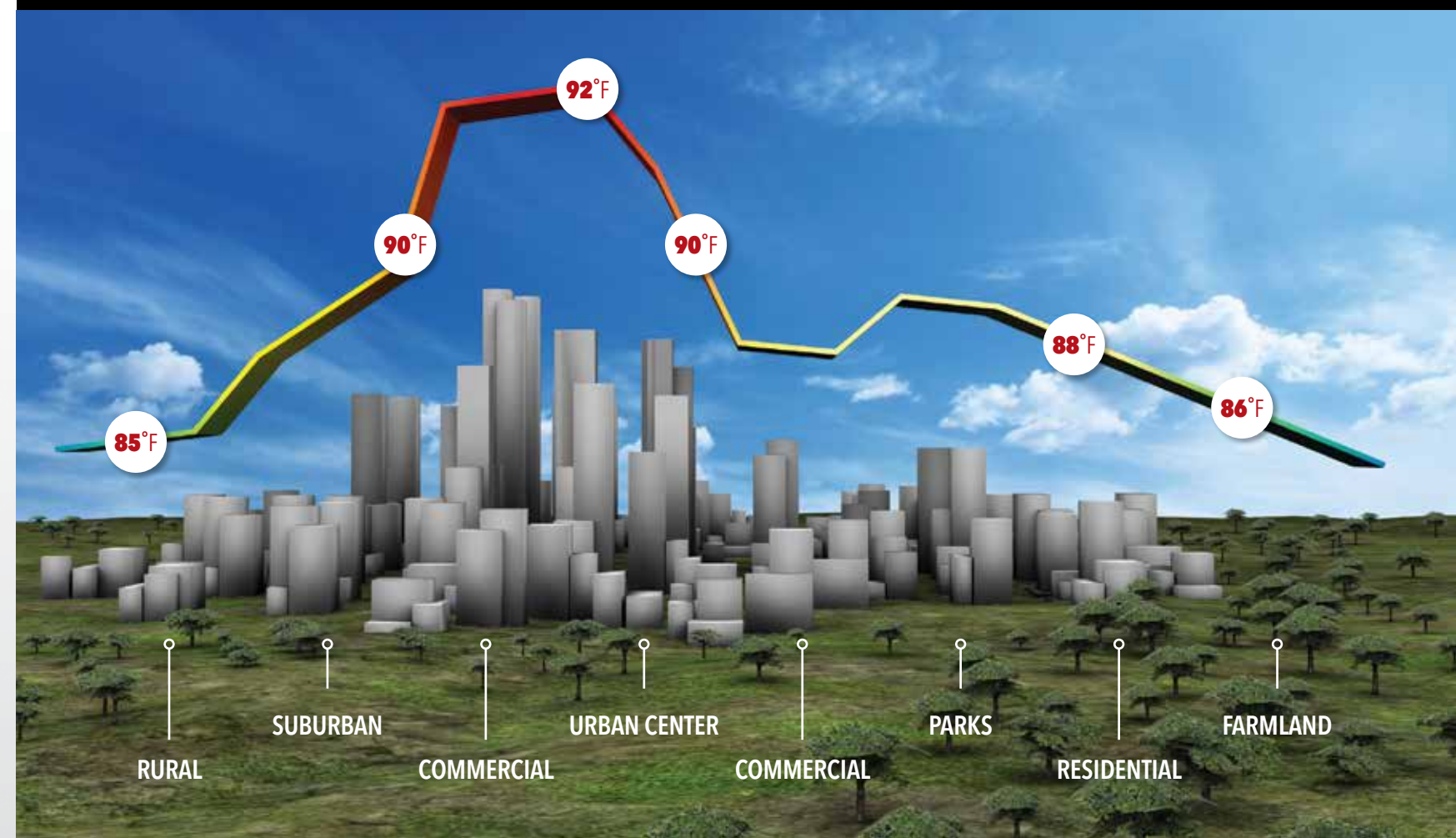
A white reflective roof coating typically increases only 10-25°F above ambient temperature in full sun. UNIFLEX products offer superior reflective capabilities, helping to keep the roof's surface cooler and slashing cooling costs by at least 30%.

Heat Island Effect

What Is Heat Island Effect?

Heat Island Effect is defined as the higher temperature of an urban area compared to the "cool sea" of lower temperatures in the nearby natural landscape. Dark-colored construction materials and reduced vegetation contribute to temperatures up to 12°F higher than in surrounding rural areas.

- Heat area radiates from urban areas
- Green areas disband heat accumulation
- Green wall, roofs and parkland absorb heat and cool urban atmosphere

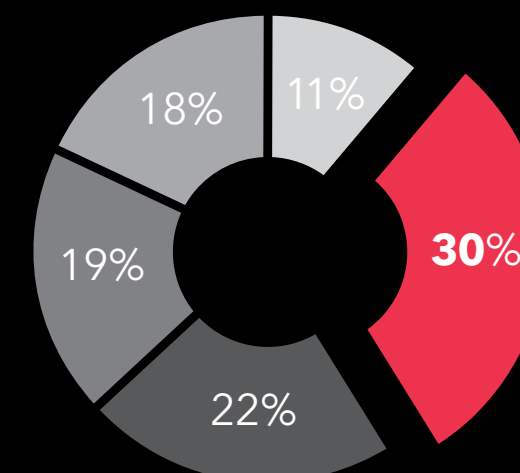


Energy Facts

Energy represents 30% of a typical office building's costs – its single largest operating expense.

30% Utilities

- 18% Cleaning
- 11% Roads, Grounds, Security
- 22% Repairs & Maintenance
- 19% Administrative



Source: www.epa.gov/climateleaders - Data based on 2002 BOMA Experience Exchange Report

UNIFLEX Roofing Sealants



UNIFLEX continues to position itself as the leader in fluid applied roofing systems with the launch of UNIFLEX Roofing Sealants in 2013. These high quality performance sealants provides a flexible, watertight seal of protection for a low-sloped roof when used in conjunction with UNIFLEX's Fluid Applied Roofing Systems. UNIFLEX Roofing Sealants are available in a variety of technologies, sizes and colors (Solvent-Based, MS Hybrid, Polyurethane and Asphaltic).

Refer to UNIFLEX System Specifications for appropriate product selection and application procedures.



SOLVENT-BASED Roofing Sealants

One step application with no primer needed



MS HYBRID Roofing Sealants

Can be applied in damp conditions and withstands ponding water



POLYURETHANE Roofing Sealants

Withstands extremes weather conditions, curing to provide a flexible, watertight seal

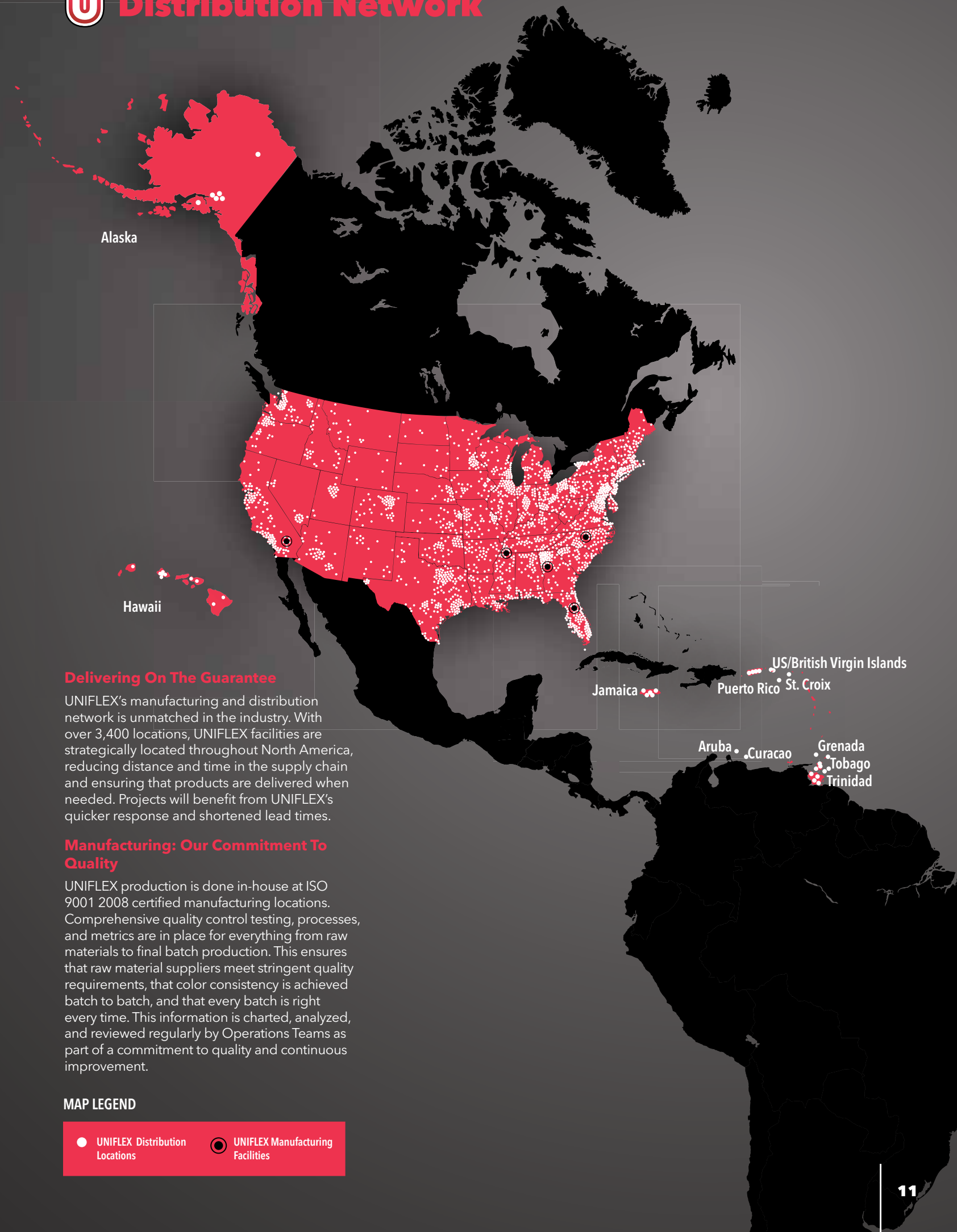


ASPHALTIC Roof Cements

Specially suited for asphaltic based roofing substrates



Distribution Network



Delivering On The Guarantee

UNIFLEX's manufacturing and distribution network is unmatched in the industry. With over 3,400 locations, UNIFLEX facilities are strategically located throughout North America, reducing distance and time in the supply chain and ensuring that products are delivered when needed. Projects will benefit from UNIFLEX's quicker response and shortened lead times.

Manufacturing: Our Commitment To Quality

UNIFLEX production is done in-house at ISO 9001 2008 certified manufacturing locations. Comprehensive quality control testing, processes, and metrics are in place for everything from raw materials to final batch production. This ensures that raw material suppliers meet stringent quality requirements, that color consistency is achieved batch to batch, and that every batch is right every time. This information is charted, analyzed, and reviewed regularly by Operations Teams as part of a commitment to quality and continuous improvement.

MAP LEGEND

- UNIFLEX Distribution Locations
- UNIFLEX Manufacturing Facilities



Authorized Contractor Network

UNIFLEX's Authorized Contractor Network solves roofing installation needs. UNIFLEX recommends that all UNIFLEX roofing systems be installed by Authorized, Authorized Premier, or Premier Elite contractors. UNIFLEX contractors are the best in the industry and achieve their status by consistently demonstrating installation expertise and commitment to quality.

Field Sales & Technical Support

In addition to top-quality products and an authorized contractor network, UNIFLEX also provides experienced sales and technical support representatives. This knowledgeable team will make the process simple, easy, and efficient with services including:

- Roof condition inspections with Roof Report Summary
- Project budgeting assistance
- UNIFLEX-authorized contractor recommendations for bidding purposes
- Division 7 specification writing assistance
- Pre-project, interim, and final inspections
- Warranty transfers and warranty assurance
- Technical support and training
- Property management education seminars

Training & Customer Service/Support

Whether it's on-the-job technical assistance, design information, application recommendations, process improvement ideas, or installation support that is needed, dedicated UNIFLEX representatives are ready to assist with project needs and offer expert technical support.



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1-888-321-3539 or visit **uniflexroof.com**.

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