

PROJECT SPECS

Surface type: Modified Bitumen

Size: 12,588 sq. ft.

Age: 20+ years

Location: Estes Park, CO

Industry: Municipal building

Solution: Ure-A-Sil

PRODUCTS

- Urethane Brush-Grade 522
- Fabric Bond 930
- Polyester Fabric
- Aromatic Urethane 520
- High-Solids Silicone 412

This flat roof needed a coating as picturesque as the neighboring mountains.

RESEARCH

A police station located in Estes Park, Colorado was in need of maintenance. In order to avoid a full roof replacement in the future, the building owner chose to restore the roof rather than only repair a few problem areas.

PROCESS

After power-washing the roof at 3500 psi, the American WeatherStar Approved Contractor sealed all seams, perimeters, and penetrations with either fabric and Fabric Bond 930 or with Urethane Brush-Grade 522. The sealant phase is a critical step to ensure the roof is water-tight even before installing the base coat.

Next, the contractor installed the Aromatic Urethane 520 base coat. Once cured, this liquid applied moisture-curing polymer provides a durable, seamless, flexible, waterproof membrane that resists lateral movement and will allow for normal expansion and contraction.

Finally, a top coat of High-Solids Silicone 412 was installed. The top coat is bright white and reflects up to 90% of the sun's UV rays. High-Solids Silicone 412 also withstands long-term ponding water conditions.

RESULT

This project was inspected by an independent roof consultant. The restoration project received a score of 10 on a 10 point scale.

The Estes Park Police Department received an American WeatherStar non-prorated twelve-year NDL System Warranty, which protects them from leaks in the system. So, if there were a leak caused by a failure in the system eleven years after installation, American WeatherStar would have the leak repaired at no cost to the building owner.

The following pictures show the system installation from beginning to end. For more information on the Ure-A-Sil System, visit www.americanweatherstar.com/ure-a-sil-roof-coating-system.

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Aerial View



Before

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Seams



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Base Coat



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Top Coat



Top Coat