

## PROJECT SPECS

**Surface type:** TPO/EPDM Hybrid

**Size:** 7,322 sq. ft.

**Age:** 22 years

**Location:** Lynchburg, VA

**Industry:** Food & Beverage

**Solution:** Ure-A-Sil

## PRODUCTS

- Urethane Brush-Grade 522
- Aromatic Urethane 520
- High-Solids Silicone 412

# Restoring Leaking Roof of a Buffalo Wild Wings using the Ure-A-Sil System.

## RESEARCH

Facing the challenge of a deteriorating roof with persistent leaks amidst the hustle and bustle of a busy Buffalo Wild Wings location, the task was clear: restore and address leaks while ensuring uninterrupted service and patron safety.

## PROCESS

Before a surface can be coated, the existing roofing substrate must be thoroughly cleaned. Pressure washing the surface is essential for several reasons. It removes contaminants like dirt, debris, mold, and mildew, which can interfere with the coating's adhesion. A clean surface ensures the coating bonds properly to the roof material, enhancing its durability and longevity. Additionally, cleaning allows for a thorough inspection of the roof's condition. Any damage, such as cracks, leaks, or weak spots, can be identified and repaired, ensuring the roof is stable and in good condition.

After pressure washing, the next critical step is waterproofing. A layer of Urethane Brush-Grade 522 is applied to all seams, penetrations, curbs, and parapet walls. Each detail is coated at the required mil thickness and width to ensure watertightness. Once cured, this liquid-applied, moisture-curing polymer forms a durable, seamless, flexible, and waterproof membrane that resists lateral movement and accommodates normal expansion and contraction.

Following the waterproofing details, a base coat of Aromatic Urethane 520 is applied. This base coat is the foundational layer that prepares the roof surface and is crucial for allowing subsequent layers to reach the desired total thickness more efficiently. This ensures the coating meets performance standards such as resistance to weathering, UV radiation, and physical wear and tear. Each layer, starting with the base coat, contributes to the overall protective barrier that extends the roof's lifespan.

Finally, a top coat of High-Solids Silicone 412 is applied. The top coat provides crucial reflectivity and ensures the final dry film thickness (DFT). It reflects UV rays, reducing heat absorption and cooling costs while enhancing durability and protection against weather and environmental factors. The top coat boosts energy efficiency and ensures the roof coating meets performance and durability standards.

## RESULT

Once completed, the project was inspected by an independent third-party roof consultant. The new roof restoration qualified for a 15-year ND (No Dollar Limit) manufacturer's warranty covering materials, labor, and workmanship for less than half the price of a new roof, resulting in a delighted building owner now considering Ure-A-Sil restorations on other properties.

The following photos highlight the roof before, during, and after completion.

**PROJECT SPECS**

**Surface type:** TPO/EPDM Hybrid

**Size:** 7,322 sq. ft.

**Age:** 22 years

**Location:** Lynchburg, VA

**Industry:** Food & Beverage

**Solution:** Ure-A-Sil

**PRODUCTS**

- Urethane Brush-Grade 522
- Aromatic Urethane 520
- High-Solids Silicone 412

AGED & WEATHERED ROOF



**PROJECT SPECS**

**Surface type:** TPO/EPDM Hybrid

**Size:** 7,322 sq. ft.

**Age:** 22 years

**Location:** Lynchburg, VA

**Industry:** Food & Beverage

**Solution:** Ure-A-Sil

**PRODUCTS**

- Urethane Brush-Grade 522
- Aromatic Urethane 520
- High-Solids Silicone 412

AGED & WEATHERED ROOF



**PROJECT SPECS**

**Surface type:** TPO/EPDM Hybrid

**Size:** 7,322 sq. ft.

**Age:** 22 years

**Location:** Lynchburg, VA

**Industry:** Food & Beverage

**Solution:** Ure-A-Sil

**PRODUCTS**

- Urethane Brush-Grade 522
- Aromatic Urethane 520
- High-Solids Silicone 412

AGED & WEATHERED ROOF



**PROJECT SPECS**

**Surface type:** TPO/EPDM Hybrid

**Size:** 7,322 sq. ft.

**Age:** 22 years

**Location:** Lynchburg, VA

**Industry:** Food & Beverage

**Solution:** Ure-A-Sil

**PRODUCTS**

- Urethane Brush-Grade 522
- Aromatic Urethane 520
- High-Solids Silicone 412

AGED & WEATHERED ROOF



**PROJECT SPECS**

**Surface type:** TPO/EPDM Hybrid

**Size:** 7,322 sq. ft.

**Age:** 22 years

**Location:** Lynchburg, VA

**Industry:** Food & Beverage

**Solution:** Ure-A-Sil

**PRODUCTS**

- Urethane Brush-Grade 522
- Aromatic Urethane 520
- High-Solids Silicone 412

AGED & WEATHERED ROOF

