



## Broadway Truck Repair Center - Spokane, WA

The Broadway Truck Repair Center in Spokane WA houses several businesses offering services such as sandblasting and painting of big trucks and heavy equipment. Due to the fact that only a few of the small office spaces are air-conditioned, the majority of the building interior gets very warm during the summer months.

Winter ice and snowstorms, combined with summer temperatures frequently reaching into the high 90's, took their toll on the 60,000 sq. ft. galvanized metal substrate. Severe rust and numerous leaks resulted in a numerous patches and repairs throughout the roof.

A major restoration of the roof occurred in the summer of 2006, with the application of UNITED COATINGS' **KYMAX**, a bright white, highly reflective elastomeric roof coating system. This option proved to be less expensive, disruptive and time consuming than total replacement of the existing roof, and offered significant advantages in lowering the roof temperature by reflecting heat from the sun.

**KYMAX** is manufactured using Kynar Aquatec® resin from Arkema, the world's largest manufacturer of factory-applied coil coatings for steel buildings. The result is a highly durable, color stable coating that resists abrasion far better than traditional coatings.





In this case the roof was pressure washed using **United Cleaning Concentrate**, a biodegradable cleaner. The roof was then detailed to insure that every seam and fastener was secure and properly sealed with the appropriate materials. Rusted areas were spot-primed with UNITED'S **Acrylex 400** to prevent corrosion from undercutting the membrane.

To complicate matters, the corrugated steel of this barrel-shaped roof was not designed to support a persons weight nor is it a safe surface to walk on. The entire application was therefore done using a 60' boom-truck with pumping equipment located in a van on the ground. The maneuverability of the boom-truck made it easy for the four-man crew to access all areas of the roof.

The bright white reflective sheen of the new **KYMAX** roof has greatly improved its dirt-release characteristics and significantly improved its appearance. Shortly after the application was completed, the temperatures soared to over 100°. Several of the building's tenants reported drastically reduced interior temperatures even during this heat wave.

