

# Sure-Flex® PVC

PROJECT PROFILES



- Project:** Smith Cove Terminal at Pier 91  
**Location:** Seattle, WA  
**Size:** 90,000 square feet  
**System:** 60-mil Sure-Flex PVC  
Polyiso insulation  
Steel deck  
**Warranty:** 15-year total system

The Port of Seattle Terminal 91 complex, one of America's busiest ports, serves cruise lines such as Carnival®, Holland America Line®, and Royal Caribbean®. When the government built a new Terminal 91 facility in 2009, it needed four things for its roof: a great warranty, LEED® compliance, Factory Mutual approval, and above all, superior protection from the elements. Carlisle's Sure-Flex PVC exceeded all of the terminal's requirements. The ENERGY STAR®-qualified, LEED-compliant Sure-Flex membrane has a proven track record of performance and durability, allowing the Port of Seattle to rest assured that its gateway to the ocean will – perhaps ironically – remain dry for years to come.

- Project:** St. Mary's Hospital  
**Location:** Grand Junction, CO  
**Size:** 100,000 square feet  
**System:** 60-mil Sure-Flex PVC  
Polyiso insulation  
Various substrates  
**Warranty:** 20-year total system

When the Sisters of Charity in Leavenworth, CO founded St. Mary's Hospital in 1896, it contained only ten beds. Over the years the hospital grew to serve the citizens of eastern Utah and western Colorado as the largest medical facility between Salt Lake City and Denver. Rapid expansion necessitated a full 12-story addition to the original five, with more than 100,000 square feet of new roofing. Carlisle's Sure-Flex PVC was selected to cover 20 separate rooftops on the hospital. The excellent acid, chemical and oil resistance of the Sure-Flex membrane, combined with Carlisle's total system warranty, proved to be the perfect fit for the dynamic healthcare facility in a growing community.





# Sure-Flex PVC

## PROJECT PROFILES



- Project:** The Borden Building
- Location:** Columbus, OH
- Size:** 14,000 square feet
- System:** 80-mil Sure-Flex PVC  
Polyiso insulation  
Concrete deck
- Warranty:** 20-year total system

Unlike many of the buildings surrounding it, Columbus, Ohio's Borden Building is a fine example of the glass-and-girder style of modernism popular in the latter half of the 20th century. A full-scale renovation necessitated replacing the original mod-bit roof system and its overlying ballasted single-ply layer with Carlisle's reflective Sure-Flex PVC, a permanent and energy-efficient solution. All existing roofing materials were torn off to expose the concrete deck and the PVC membrane was applied to a layer of polyiso insulation that was set in Carlisle's insulating FAST® Adhesive. With the help of Carlisle's quality Sure-Flex PVC membrane and laborsaving accessories, the Borden Building rooftop was transformed in only a few months.

**Project:** The Center of Arts and Academics

**Location:** North Charleston, SC

**Size:** 192,000 square feet

**System:** 60-mil Sure-Flex PVC  
Concrete deck

**Warranty:** 20-year total system

Sustainable features are increasingly popular in state-of-the-art facilities like the Center of Arts and Academics, a new facility in Charleston, SC that houses both its School of the Arts and the Academic Magnet High School. In addition to a central ice storage cooling plant and innovative design, the facility chose Carlisle's reflective Sure-Flex PVC as the perfect fully adhered membrane for its design. Carlisle's PVC membranes offer potential savings on energy costs as well as reduced carbon emissions. With a 20-year total system warranty, the reflective membrane will keep students cool and dry no matter what the weather has in store.





# Sure-Flex® PVC

## PROJECT PROFILES



- Project:** Rice-Eccles Stadium  
**Location:** Salt Lake City, UT  
**Size:** 22,900 square feet  
**System:** 80-mil Sure-Flex® PVC KEE  
Polyiso insulation  
Steel deck  
**Warranty:** 20-year total system

Rice-Eccles Stadium, home of the Utah Utes and the 2002 Winter Olympics, is a state-of-the-art facility with modern appointments like a next-generation synthetic turf field and high-tech media facilities. When re-roofing portions of the structure in 2011, the University of Utah decided to go with a similarly advanced roofing material – Carlisle's Sure-Flex KEE FRS FleeceBACK® membrane. The membrane boasts, in addition to its tough fleece backing and fiberglass scrim, the Dupont-developed Elvaloy® copolymer. Developed to enhance weatherability, flexibility and toughness, Elvaloy's high molecular weight prevents it from migrating from the membrane – an innovation suitable for one of the most advanced stadiums in the country.

- Project:** Highland Elementary School  
**Location:** Westfield, MA  
**Size:** 59,100 square feet  
**System:** 60-mil Sure-Flex® PVC FRS  
Polyiso insulation  
Steel deck  
**Warranty:** 20-year total system

In 2011, the Highland Elementary School of Westfield, Massachusetts was offered Green Repair Project money for a roofing replacement. With schools in the area suffering massive roof damage from a tornado, school officials wanted a roofing material that would be able to weather any storm. Sure-Flex FRS PVC is a tough, fiberglass-reinforced membrane designed for fully adhered applications. Its dimensionally stable scrim makes the material tough enough to withstand the elements, including the temperature fluctuations and precipitation levels the state expects year after year. With a 20-year total system warranty, Sure-Flex PVC FRS will be protecting students and teachers for years to come.

