

# CASE STUDY



## Project

U.S. Navy Roof Restoration  
Lemoore Naval Air Station

## Location

Lemoore, California

## Contractor

FlexPro, Inc.

## System

80 mil TRITOflex membrane  
20 mil TRITOtherm ceramic coating

## Project Sizes

30,095 square feet

## Completion

December 2014

**For many years, the TRITOflex roof restoration system has been selected to restore numerous roofs at this Naval Air Station each year. This project was another example of the Navy's commitment to responsible, cost-saving roof replacement.**

The United States Navy takes a proactive approach by utilizing their existing roof investments to their advantage and avoid a wasteful, costly tear-off before it's too late. These particular roofs, totalling 30,095 sq. ft., over a training facility at the base were leaking and at the end of their lifecycle. A section of the building had concrete barrel roofs coated with spray foam and acrylic. The rest of the roofs were two-ply modified-bitumen and insulation.

## Limited Options

To avoid a disruptive and wasteful tear-off, the Naval Facilities Engineer Command (NAVFAC) architect recommended the roofs be recovered with a liquid-applied, seamless rubber membrane and then finished with an energy-efficient top coat. The architect also recommended the HVAC units and ductwork be covered with a ceramic coating to increase efficiency during the many hot days.

The TRITOflex system continually exceeds the Navy's expectations by adding value to their existing roofs through:

- 1900% elongation
- Class A fire rating
- Severe hail resistance
- Indefinite ponding water resistance
- Heat-dissipating ceramic top coat
- Increased durability and puncture resistance



TRITON INCORPORATED

250 33rd Street Drive SE | Cedar Rapids, IA 52403 | TEL 319-861-5233 FAX 319-396-3804 | [TRITONWP.COM](http://TRITONWP.COM)



### **Quick & Non-Disruptive Installation**

FlexPro, a Certified Triton Applicator who has years of experience working with the U.S. Military installing TRITOflex, won the bid for this project. After areas of damaged polyurethane foam were replaced over the concrete barrel roof section, the surface was cleaned and the water-based, zero VOC's TRITOflex membrane was sprayed in one coat to an 80 dry mil (2 mm) thickness.

After installation of the membrane, the TRITOtherm nano-coating was spray-applied to serve as both a sacrificial layer and heat-repellent top coat. TRITOtherm was also applied to all HVAC units and ductwork to meet the architect's specifications and increase energy efficiency.

All Triton products are made in the U.S. by a 100% American-owned company focused on providing common sense solutions to avoid expensive re-roofs or cheaply made high-maintenance coatings.

**The U.S. Navy not only saved money with this green alternative, but they also received yet another new, warranted roof which can be sustained indefinitely to avoid any future tear-offs.**



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