

Project Profile

PremiumCoat® System



Alamo Shrine, San Antonio TX

“Remember the Alamo” - 2011 marks the 175th Anniversary of the Battle of the Alamo.

Attracting 2 to 4 million visitors annually, the Alamo is one of Texas’ most treasured landmarks. An engineer’s report in July 2010 stated that water intrusion in the roof was the “single largest threat to the continued viability of the Alamo structure.” Historic preservation is nothing new for the Hydro-Stop brand; references from Pearl Harbor, HI projects and numerous historic metal projects in the Southeastern US were provided to Ford, Powell & Carson (the architect on record) to highlight the years of experience and successful track record of the PremiumCoat® System over existing historic structures.

Eventually, PremiumCoat® was selected as the most suitable and sustainable roofing/waterproofing product to restore the historic landmark. PremiumCoat® is a fluid-applied, 100% reinforced, water-based acrylic elastomeric roof system that has been FM 4470 tested for water leakage, wind uplift, hail damage, flame spread, and resistance to foot traffic.

There were 3 main challenges to this project: preservation of the existing main roof (standing seam copper, hand formed circa 1937) with all its character, restoration of the leaking flat roof areas, and rectification/waterproofing of the untreated parapet areas. The architect sought a product that would preserve the character of the existing roof while providing sustainable, watertight solutions for the other areas of concern, namely the flat roof areas and parapet walls.

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StableRust Primer applied to existing historic metal roof



Completed Alamo Shrine roof

Information:

- **Total Square Footage:** 8,400 ft²
- **System(s) Applied:** StableRust Primer & PremiumCoat® System applied to existing historic metal
- **Approved Applicator:** Bentley Sheet Metal & Roofing Company, Inc. San Antonio, TX



Custom FinishCoat color

A fluid-applied product, the PremiumCoat® System was an ideal choice for the unique shape and structure of the Alamo Shrine roof; in a sense, PremiumCoat® acted as a “custom fit” product, completely adhering to every curve while maintaining the historic “character” of the metal panels. To preserve the historic appearance of the roof, a custom FinishCoat color was tinted to match the color of the aged metal panels. Officially named Dover Grey, the color was nicknamed “Alamo Grey” on site. ■

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6" fabric - on all seams



Applying a BarrierGuard cant strip



PremiumCoat® Foundation & Fabric