

# EcoSeal, LLC

## *ES 550 Waterproof White Reflective Roof Coating*



## CUSTOMER

Rio Services Texas and Ascend Performance Materials at Chocolate Bayou, Texas

## PROJECT TEAM

Rio Services & Eco Seal Coating System

## PROJECT OVERVIEW

Ascend was in need of waterproofing the metal roofs in the chemical plant, and wanted the added benefit of reducing electrical usage in their buildings. A great deal of preparation work was needed with the corrosive nature of the local environment in the plant on the Texas coast. ES Trowel grade was used on all the protrusions to seal off any possible leaks around the seams. After a good cleaning, Rio applied 40 Mills of ES 550 to waterproof, and complete the system.

## CONSIDERATIONS

The main consideration was to stop the leaks in the roof, and replace the bad vents, and other objects coming through the roof surface. Secondary was to add reflectivity to the roof in order to reduce the sun's heating effect on the roof. This was accomplished with the ES 550's 87% reflective coating system.

Timing was a major consideration as the crews can only work a few hours per day, and the ES 550 can be started, and stopped with no seaming issues. Even after the ES 550 is cured, the crews can add more product with perfect adhesion to the fresh layer.

## SYSTEM PRODUCTS

The seams and corners were sealed with Eco Seals Trowel Grade waterproofing emulsion.

The entire roof was coated at 40 Mills with Eco seal's ES 550 Reflective waterproof flexible coating.

Both products work well together to seal the roof, and mechanical protrusions, and will flex with the roof during the heating and cooling of the substrate.