

Hilton Head Island Oceanfront Resort Roof Project



Coated roof edges prior to replacement



During Tedlar® roofing installation



Completed project

Area of Application: Building & Construction

Year of Construction: 2022

Location: Hilton Head, South Carolina, United States

Surface Area: 6,700 square feet of roof area

Partners: Metal Alliance, Construction Metal Products (CMP), RPI Roofing

Tedlar® PVF film was recently selected as a protective roofing material for the Sea Crest Condos in Hilton Head, South Carolina. It includes a 6-story building constructed approximately 20 years ago that sits directly on the beach of the Atlantic Ocean. The existing steel roof panels and framing of the building were severely corroded and the owner was looking for a long-term solution to withstand an extremely corrosive environment.

Construction Metal Products (CMP), a leading panel producer in the Carolinas, was selected to facilitate the renovation project and recommend suitable materials. They were presented with two

options. The first being to install a standard coastal paint finish on an aluminum base metal and have the burden and expense of scheduling, executing, and documenting yearly maintenance to maintain the paint finish warranty. The second option was to install Tedlar® on an aluminum base metal with no maintenance requirement to maintain the finish warranty.

Aluminum panels laminated with Tedlar® from our partner Metal Alliance were ultimately chosen for their excellent durability by the coast, even as close as 1,500 feet from the ocean. Additionally, Tedlar's® excellent flexibility allowed it to bend to tight edges on the roofing panels without compromising film integrity or adhesion, thus assuring the roof is protected and looks brand new for decades. Installers commented that Tedlar® was much more durable and hardier during installation than a standard PVDF/ Kynar® paint finish. They also noted the ease of installation of the panels and the excellent finished look of the roof.

This project was installed by RPI Roofing with panels supplied by Construction Metal Products, from coils provided by Metal Alliance. Metal Alliance Tedlar® products are available with up to 50-year warranties and no coastal restrictions, offering revolutionary protection to the metal building panel market.



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