

# SUSTAINABLE ROOFING



**COST SAVINGS OVER 75%**

## EXISTING ROOFING MATERIALS REMOVED

The roofing was painstakingly peeled off the surface which left a poof condition and damp substrate. Removal to the deck was not practical so Adurel designed a special water based penetrating epoxy primer that soaked deep into the lightweight and hardened the surface.

## NEW CONCRETE VENEER APPLIED AS NEEDED

The Adurel primer alone was enough to waterproof the deck which allowed time for re-surfacing. The Deck was damaged during the tear off and had large gouges that needed leveling. A special quick setting cement was troweled over the surface where needed. The new concrete was again re-primed to prepare for roofing.

## ADUREL SYSTEM APPLIED IN BUILT UP FASHION

The Adurel Seamless Roof System was installed in built up fashion using 3oz polyester liner integrated in a NSF rated SEBS to saturation. All flashings and terminations were done with a combination of polyester and Adurel mastics. This was built up to 60 mils. For information on Adurel go to [www.adurel.com](http://www.adurel.com).

## EXISTING CONDITION

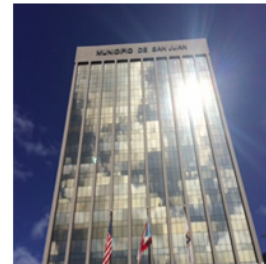
- This 22 story high rise had a deteriorated lightweight tapered concrete deck that was in poor condition
- Traditional reroofing options required removal of the lightweight and impractical requirements to deal with possible rain and mechanical attachment for the uplift required
- The roof also had several areas of wet roofing and all the buildings mechanicals that made the project extremely difficult
- Adurel was proposed due to the ability to adapt to the existing condition and simplify the application

**PAYBACK AFTER GRANTS:**

**21 MONTHS**

**ROI:**

**60%**



### EXISTING ROOF TO A SUSTAINABLE SYSTEM

Using new and innovative technologies, Tower can encapsulate and transform your existing system to a long term maintainable or sustainable system that ends the tear off cycle. Your roof is protected and maintained with a system that slowly wears off and is designed to last the life of the building.

### NSF RATED FOR POTABLE WATER COLLECTION

The Adurel system is one of only a few systems that is NSF rated to be non toxic for rainwater collection. It can also reduce municipal load on the sewer system in urban areas and lower costs for the same for the owner.

### COOL ROOF TECHNOLOGY FOR ADDITIONAL SAVINGS

The Adurel System is Energy Star rated to keep your building cool and not pick up additional load from the sun. This can cut between 25-50% on your air conditioning costs even in northern climates.