

# How to.... Maintain your roof for decades

*Would you like a roof that only required a coating every 10 years or so to keep it in tip top condition?*

Incarnation elementary school has several buildings. Over the years they have torn off and replaced their roofs. Eleven years ago they needed to do something about their leaking roofs. Instead of tearing them off and starting over, Century Roofing showed them how it was possible to reinforce their existing roof, making it tougher than when the roof was originally installed.

Their roof was reinforced with a tough polyester membrane and emulsion. Emulsion is a mixture of pure asphalt and bentonite clay. Emulsion is one of the best waterproofing materials available and creates a thick waterproofing layer that will slow the aging process by keeping the roof pliable. A final coating of aluminum protected the finished roof.

Once the polyester reinforced roof was installed, the reconditioned roof could be maintained without ever having to be replaced.

## 11 YEARS LATER.....

Recently Incarnation school upgraded their buildings and decided to take a look at the roofs even though they didn't have any leaks. A roof survey showed the roofs were still in very good condition even though the final aluminum coating had dulled from the sun.

They decided to improve the roofs with a special white coating that would block harmful ultra violet light from the sun and extend the roof life another 10 years.

The low valley areas where water traveled to the drains were coated with another layer of polyester and emulsion. All of the vents and pipes were sealed off with Energy Seal's Acu-Caulk: BG elastomeric coating. After the repairs were made, the roof was cleaned with a high power pressure washer.



**After 11 years the roof does not leak and is still in waterproof condition despite the fading aluminum**



**The valley areas were reinforced with an extra layer of polyester and emulsion.**



**All pipes and vents were flashed with Energy Seal's Acu Caulk: Brush Grade.**

Once the roof was ready, Acu-Shield white acrylic was applied in three separate applications.

## Coating is 1/3 the cost of reroofing

The white acrylic coating benefits them in 4 ways

1. The Acu-Shield coating blocks 90% of all UV rays from getting to the roof membrane, thereby extending roof life.
2. School utility bills will be reduced because the coating reflects and dissipates heat from the sun.
3. The school extends the life of the roof an additional 10 years for about 1/3 the cost of a new roof.
4. In 10 years, the coating can be renewed, extending the life of the roof again without having to re-roof.

Century Roofing has been using emulsion and acrylics for three generations. We have been combining them with tough polyester reinforcement material for 17 years.

To find out more about long lasting energy saving roofs call us. We can show you how to start a maintenance program to make your roof last decades.

May we put **three generations** of waterproofing know how to work for you?

Century Roofing .....Inc. No. 793960  
.....Three generations in roofing

8218 Ensign St.  
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Before coating, the roof was power washed.



The first of three layers of Energy Seal Acu-Shield white acrylic coating is applied.

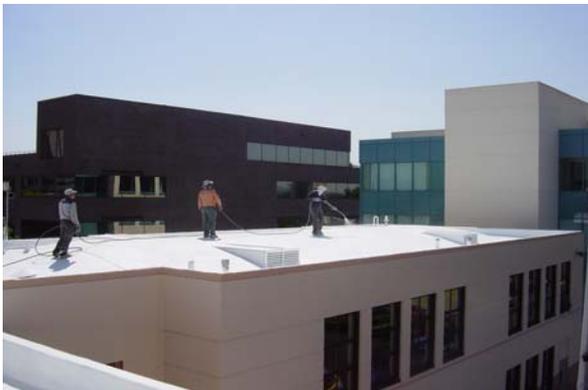


The finished roof.

# 3 Coats / Swamp cooler detail



This old swamp cooler was removed. A new one was to be installed after the roof was coated.



Polyester and an elastomeric caulking was installed where the old swamp cooler sat.



## Roof Application

**1<sup>st</sup> photo.** First layer of Acu-Shield.

**2<sup>nd</sup> photo.** After the roof dried, a second coating was applied.

**3<sup>rd</sup> photo.** The third and final coating of Acu-Shield gave the roof a thickness of 30 mils.



Applying the final layer of Energy Seal elastomeric over the repaired area.

# The Finished Roof



**The roof will reflect heat and block ultra violet light. Every decade or so an additional coating will keep the roof in tip- top shape.**



**The Acu-Shield white will save a tremendous amount of money on cooling costs.**