



Project: Residential Re-roof

Location: Galt, California

Challenge(s): Enhance appearance, safety & energy efficiency with look of barrel tile.

Solution: Stone coated steel roofing resembling barrel tile.

Profile: DECRA Villa Tile

DECRA
Stone Coated Steel Roofing Systems

Energy Savings

Re-Roof with Lightweight Tile Alternative

Is your roof energy efficient? Determining the particular contribution of the roof to the energy efficiency of a home is not an exact science. Other factors can affect the overall energy efficiency such as: windows, doors, attic insulation, and number of residents. Enter homeowners just outside of Sacramento, CA with an existing grey concrete tile roof installed on battens. Concrete tile can require continued maintenance as it ages. Wanting to move away from a concrete tile roof, they installed a DECRA Villa Tile roof direct to the deck. They chose Pompeii Ash because it was close to the color of the original tile and they wanted to maintain the overall appearance of the home. No changes were made in the venting method between the two installations.

Subsequent to the installation, the homeowner contacted DECRA with 4 years of data (2006 to 2009) summarizing the number of kilowatt hours used during the 5 hottest months in Northern California: June, July, August, September and October. Some variables were noted by the homeowner throughout the 4 years – the number of children at home and instances of humidity; the average daily temperature during the 4 years was consistent with only a couple of outlying temperatures in 2006 and 2009. An unexpected benefit was realized after installing the product in April 2007. As compared to 2006 when they had a concrete tile roof, there was a 15% lower use of kilowatt hours with the DECRA Villa Tile.

This is not a study conducted by scientists. It is just one homeowner who cut his energy use by switching to a metal roof – a stone coated steel roof. With consumers focusing on reducing energy costs, DECRA Villa Tile is a great choice for the homeowner. In addition to being energy efficient, DECRA Villa Tile has upwards of 25% post-consumer recycled steel, is easy to use with rain catch and solar panel systems, has a long life cycle and is low maintenance. All of these characteristics and benefits add up to an enduring, sustainable, roof.

This family lowered their kilowatt use by 15% from 2007 to 2009

