

Energy Efficiency

Measure 12 – Government Cool Roof

5 Points

Have a demonstration cool roof.

Discussion:

Cobb County has just completed the education building at our new Public Safety Village in Marietta. The facility will serve as an education center on fire and other public safety education for Cobb County school children and the public at large. It is estimated up to xx,xxx school children and citizens and guests will visit the Village annually once it is fully operational.

The educational and administrative building is a single story building of approx. 27,500 square feet. The roofing system selected was GAF's EverGuard® TPO 45, a white, single-ply membrane system. It is a listed Cool Roof product by the Cool Roof Rating Council and an EnergyStar® rated product. CRRC ratings are 76% reflectivity and 90% emissivity. It is used on 100% of the exposed roof surface (see photographs).

The building is scheduled for a "soft opening" in spring, 2009, with full scheduling beginning fall, 2009 once the school year begins. The education function of this building will ensure high numbers of visits by students and the public to the facility. We will provide a poster in a prominent location within the facility to educate the public on the use and benefits of the cool roof installation, and provide a contact or website for visitors who want additional information. A mock up of the poster is included with this submittal. We will also promote the roof as part of our general employee and public information activities under measures 57 and 58 of our ARC Green Communities plan of action, and can arrange tours upon request.

Documentation:

The following documentation is enclosed with this application.

- The Product Data Sheet for the roofing membrane.
- Pictures of the cool roof.
- Mock-up of the educational poster.