



Thermoplastic Single Ply and Multi-Ply Roofing Systems

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FLEX COOL ROOFS HELP BUILDINGS USE LESS ENERGY

Flex Membrane International, Inc. is a Licensed Seller/Manufacturer of Cool Roof Rating Council approved products. The Cool Roof Rating Council (CRRC) is a non-profit association comprised primarily of roofing product manufacturers and sellers and their trade associations. The Council was established in 1998 to implement and promote fair, accurate, and credible radiative performance rating systems for roof surfaces. The centerpiece of the CRRC is its third party testing and rating program that provides credible reflectance and emissivity data. CRRC standardizes and assures the quality of the rating process. The CRRC also requires aged product testing to determine the performance of a cool roof over time as it is influenced by environmental exposure.

From large commercial to small residential facilities, designers, builders, owners and regulators are showing increasing awareness of the radiative properties of the roof as a key contributor to building thermal performance. Roofing technologies are increasingly included in energy efficiency standards proceedings and specifiers are turning to CRRC's product rating database to help make purchasing decisions. CRRC's approach complements other programs, such as EPA's Energy Star® program, that set minimum performance thresholds.

Code bodies are increasingly choosing to require better roof radiative performance. The State of California has selected the CRRC as the sole supervisory entity for the purpose of maintaining a rating system for radiative properties of roofing materials. Currently the state's energy efficiency code, Title 24, require a cool roof, which is defined by the state as having initial solar reflectance of 0.70 and thermal emittance of 0.75 for low sloped roofs. Flex Membrane International's White Single-Ply Thermoplastic Roof membranes have an initial solar reflectance of 0.87 and thermal emittance of 0.87 for low sloped roofs.

Flex Membrane International's cool roof membranes save you money on energy and increase occupant comfort. Lowering the surface temperature of the roof can increase the roofs longevity reducing life cycle costs. Cool roofing on a wide scale promises to reduce the urban heat island phenomenon by lowering ambient temperatures by several degrees, which makes life better for all of us. As the market grows more aware of the benefits of cool roofing increasingly more jurisdictions will adopt cool roofing requirements into their respective code requirements.