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## **FLEX COOL ROOFS HELP BUILDINGS USE LESS ENERGY**

Flex Membrane International Corp. 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 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, requires that the low slope roof membrane be rated and labeled by the CRRC. The minimum requirements for non-residential low slope roof products is a minimum 3 year age solar reflectance value of 0.63, a thermal emittance value of 0.75, and a solar reflectance index (SRI) value of 75. Several of Flex Membrane International's approved single-ply thermoplastic roof membranes exceed these requirements.

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.



CRRC PROD ID.	MANUFACTURER	BRAND AND MODEL	SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI	
			INITIAL	3 YEAR	INITIAL	3 YEAR	INITIAL	3 YEAR
0672-0001	Flex Membrane International, Inc.	<b>Flex Roof Membrane</b> KEE White	0.87	0.76	0.88	0.84	110	93
0672-0005	Flex Membrane International, Inc.	<b>Flex Roofing Membrane</b> Flex TPO II White	0.76	0.68	0.90	0.83	94	81
0672-0006	Flex Membrane International, Inc.	<b>Flex Roofing Membrane</b> Flex TPO II FB White	0.76	0.68	0.90	0.83	94	81
0672-0007	Flex Membrane International, Inc.	<b>Flex Roofing Membrane</b> Flex MFR PVC White	0.86	0.73	0.87	0.88	108	90
0672-0011	Flex Membrane International, Inc.	<b>Flex MFR PVC</b> Flex MRF PVC Tan	0.69	0.53	0.85	0.88	83	62
0672-0010	Flex Membrane International, Inc.	<b>Flex MFR PVC</b> Flex MFR PVC Gray	0.68	0.54	0.87	0.89	82	63
0672-0009	Flex Membrane International, Inc.	<b>Flex KEE</b> Flex KEE Tan	0.68	0.61	0.87	0.87	83	73
0672-0008	Flex Membrane International, Inc.	<b>Flex KEE</b> Flex KEE Gray	0.69	0.61	0.86	0.88	83	73
0672-0014	Flex Membrane International, Inc.	<b>Flex Thermoplastic Roof Membrane</b> KEE XT White	0.86	0.75	0.88	0.87	109	92
0672-0013	Flex Membrane International, Inc.	<b>Flex Thermoplastic Roof Membrane</b> Flex KEE XT Tan	0.74	0.54	0.88	0.89	91	63
0672-0012	Flex Membrane International, Inc.	<b>Flex Thermoplastic Roof Membrane</b> Flex KEE XT Light Gray	0.73	0.62	0.88	0.88	90	74

**11 results**