



Sika Sarnafil® COOL ROOFING

Sika Sarnafil offers many membranes and colors to meet your cool roofing needs. Below is a summary of all of our cool roofing products and the values, listings and approvals each of them meet.

DEFINITIONS

Solar Reflectance – a measure of the ability of a surface material to reflect sunlight – including the visible, infrared and ultraviolet wavelengths – on a scale of 0 to 1. Solar reflectance is also called “albedo.”

Emittance – refers to a materials ability to release absorbed heat.

Solar Reflectance Index (SRI) – a value that incorporates both solar reflectance and emittance in a single value to represent a material’s temperature in the sun. SRI quantifies how hot a surface would get relative to standard black and standard white surfaces. Due to the way SRI is defined, particularly hot materials can even take slightly negative values, and particularly cool materials can even exceed 100. Materials with the highest SRI values are the coolest choices for roofing.

EnergySmart Cool Colors	Initial Solar Reflectance	Aged Solar Reflectance	Initial Thermal Emittance	Aged Thermal Emittance ¹	Solar Reflectance Index	Aged Solar Reflectance Index	Listings	Approved Slope
Sarnafil G 410 White	0.85	0.74	0.86	0.84	107	90	CRRC & Energy Star	Low & Steep
Sarnafil S 327 White	0.84	0.76	0.86	0.85	105	93	CRRC & Energy Star	Low & Steep
Sarnafil G 410 / S 327 Tan	0.73	0.65	0.85	0.86	89	78	CRRC & Energy Star	Low & Steep
Sarnafil G 410 / S 327 Reflective Gray	0.73	0.65 ²	0.89	0.88 ²	90	78 ²	CRRC	Low & Steep
Sarnafil G 410 / S 327 Patina Green	0.55	0.46	0.86	0.85	64	51	CRRC & Energy Star	Steep
Sikaplan Fastened 45 White	0.83	0.71	0.89	0.89	104	87	CRRC & Energy Star	Low & Steep
Sikaplan Fastened 60 White	0.85	0.75	0.89	0.90	107	93	CRRC & Energy Star	Low & Steep
Sikaplan Adhered White	0.85	0.73	0.89	0.89	107	90	CRRC & Energy Star	Low & Steep
Sikaplan Tan	0.72	0.65 ²	0.89	0.88 ²	88	78 ²	CRRC	Low & Steep
Sikaplan Reflective Gray	0.73	0.65 ²	0.89	0.88 ²	90	78 ²	CRRC	Low & Steep

¹ Applicable only to CRRC

² Derived using CRRC’s Rapid Ratings, an interim laboratory-aged value that simulates weathered values. These values will be replaced with the measured three-year aged values upon completion of the weathering process.