



SUPERIOR PRODUCTS INTERNATIONAL II, INC.

COMPARISON OF SUPER THERM® TO OTHER REFLECTIVE COATINGS ON THE MARKET WHEN TESTED FOR ENERGY STAR PROGRAM

In the government testing procedures on the products by Insulating Coatings Corporation, Temp-Coat Brand Products, LLC, and SPM Thermoshield, Inc. dba Roof Guardian when tested for Energy Star Program, the testing was performed to demonstrate the reflectivity of a new roof and of a three-year old roof to determine the reduction in reflectivity/performance and loss of insulation effectiveness.

See the original report of the ENERGY STAR PROGRAM at <http://www.energystar.gov>.

<u>Product</u>	<u>New Roof Reflectivity</u>	<u>3 Year Old Roof</u>	<u>Percentage Reduction in Reflectivity</u>
Aztec 900 Warranty of 10 years would mean that at the end of 10 years the reflectivity would be reduced by a minimum of 30%	86%	77%	- 10.5%
Temp Coat Warranty of 10 years would mean that at the end of 10 years the reflectivity would be reduced by a minimum of 90%	87.7%	61%	- 30%
Thermo-Shield Warranty of 10 years would mean that at the end of 10 years the reflectivity would be reduced by a minimum of 75%	84%	63%	- 25%
Super Therm® Warranty of 10 years would mean that at the end of 10 years the reflectivity would be reduced by less than 0.04%	.80%	.79%	- .01%
Envirotrol CC-100	Not Tested	Not Tested	Not Tested

This comparison testing shows very clearly that SUPER THERM® is the best coating on the market to maintain its insulation ability over the years. The other coatings must be reapplied to maintain any insulation ability. SUPER THERM® does not have to be reapplied.

Company Name	Brand	Model	Type	Initial Solar Reflectance	Solar Reflectance after 3 years*	Low Slope?	Steep Slope?	Warranty (years)**
Henry Company	Henry	582	Coating	0.79	0.54	Y	N	10
Henry Company	Henry	582 w/ white granule finish	Coating	0.79	0.54	Y	N	10
Henry Company	Henry	869	Coating	0.7	0.54	Y	N	5
Henry Company	Henry	SolarFlex 287	Coating	0.838	0.744	Y	Y	7
Henry Company	Henry	SolarFlex 287 SF	Coating	0.838	0.744	Y	Y	7
Henry Company	MetalsShield	275	Coating	0.76	0.62	Y	N	10
Henry Company	Prograde	550	Coating	0.76	0.62	Y	N	10
Henry Company	RubberKote	827	Coating	0.76	0.62	Y	N	10
Hydro-Stop, Inc.	Hydro-Stop	Premium coat	Coating	0.82	0.67	N	N	10
Hydrosel Polymers Inc.	Hydrosel Polymers	Hydrosel Acrylic	Coating	0.76	0.69	Y	Y	10
Hyload, Inc.	Hyload	Alproof/Alpsam	Coating	0.74	0.72	Y	N	20
IB Roof Systems	IB Single-Ply	50 to 80 mil.	Single-Ply	0.83	0.83	Y	Y	10 - 25
Inland Coatings Corporation	Inland Coatings	RC-2000 White	Coating	0.82	0.72	Y	Y	10
Inland Coatings Corporation	Inland Coatings	SRC-2000 White	Coating	0.818	0.723	N	N	10
Insulated Panel Systems	IPS	Roof/Wall Panel	Metal	0.68	0.57	Y	Y	20
Insulated Panel Systems	IPS	Standing Seam Profile	Metal	0.68	0.57	Y	Y	20
Insulating Coatings Corporation	ASTEC	900	Coating	0.86	0.77	Y	N	10
Insulating Coatings Corporation	ASTEC	2000	Coating	0.866	0.767	Y	N	10
Intelliccoat Technologies, LLC	Intelliccoat Technologies LLC	Solar Save	Coating	0.881	0.786	Y	Y	10
Isothermal Protective Coatings, Inc.	IPC	Acrylink G	Coating	0.79	0.72	Y	Y	5 - 20
Johns Manville Corporation	DynaClad*		Modified Bitumen	0.85	0.623	N	N	20
Johns Manville Corporation	JM PVC	Single Ply Membrane	Single-Ply	0.86	0.57	Y	N	10-15
Johns Manville Corporation	TopGard 400	White	Coating	0.83	0.61	Y	N	
Johns Manville Corporation	TopGard 500	White	Coating	0.83	0.61	Y	N	
Johns Manville Corporation	UltraGard	.060 White EPDM	Single-Ply	0.84	0.8	Y	N	10
Johns Manville Corporation	UltraGard	SR50, SR60, SR80	Single-Ply	0.84	0.76	Y	Y	15
Johns Manville Corporation	UltraGard	TPO	Single-Ply	0.87	0.83	Y	N	15
KM Coatings Mfg., Inc.	KM	FinalCoat	Coating	0.81	0.62	Y	N	5 - 10

Company Name	Brand	Model	Type	Initial Solar Reflectance	Solar Reflectance after 3 years*	Low Slope?	Steep Slope?	Warranty (years)**
Resin Technology Company	Henry	580	Coating	0.94	0.91	Y	Y	10
Resin Technology Company	Henry	582	Coating	0.92	0.85	Y	Y	10
Resin Technology Company	Permax	100	Coating	0.9	0.73	Y	Y	10
Resin Technology Company	Permax	110	Coating	0.9	0.81	Y	Y	10
Resin Technology Company	Permax	115	Coating	0.94	0.91	Y	Y	10
Resin Technology Company	Permax	2000	Coating	0.89	0.54	Y	Y	10
Resin Technology Company	Permax	800	Coating	0.84	0.8	Y	Y	10
Resin Technology Company	Permax	Permax-108	Coating	0.92	0.85	Y	Y	10
Resin Technology Company	Permax	Permax-108 w/ White Granule Finish	Coating	0.79	0.54	Y	N	10
Resin Technology Company	Permax	Permax-115 w/ White Granule Finish	Coating	0.78	0.54	Y	N	10 - 20
RoofMart International, Inc.	Garnite Roofing Products	Garnite-Thane	Coating	0.87	0.83	Y	N	10 - 30
RoofMart International, Inc.	Garnite Roofing Products	Krylyk	Coating	0.734	0.702	Y	Y	5 - 15
Ryerson	BASF Fluoroceram	815W49 Natural White	Coating	0.772	0.7422	N	Y	30
SAF-T-SCREENS, INC., dba Roof Guardian	Roof Guardian Technologies, Inc.	RG170	Coating	0.88	0.62	Y	Y	10
SOLEC - Solar Energy Corporation	LO/MIT	LO/MIT-1	Coating	0.8	0.67	Y	N	1 - 5
SPM THERMO-SHIELD, Inc.	Thermo-Shield	Roof Coat	Coating	0.84	0.63	Y	N	5 - 15
SR Products Group	White Brite Elastomeric Coating	N/A	Coating	0.8366	0.707	Y	Y	2
SWD Urethane Company	Kool-Kote	1929-F	Coating	0.81	0.72	Y	N	10
SWD Urethane Company	Kool-Kote	1929-R	Coating	0.81	0.71	Y	N	10
Sandstone Products Inc	EVERTUFF	SP-100	Coating	0.875	0.681	Y	Y	
Sarnafil Inc.	CLASSIC	All S327 & G410 48-120 Mil. Membranes	Single-Ply	0.66	0.50-0.66	Y	Y	5 - 20 (Wind & Weather)
Sarnafil Inc.	Decor Profile Roof TM	All S327 & G410 48-120 Mil. Membranes	Single-Ply	0.48	0.15-0.48	N	Y	5 - 20 (Wind & Weather)
Sarnafil Inc.	EnergySmart Roof	All S327 & G410 48-120 Mil. Membranes	Single-Ply	0.83	0.5-0.83	Y	Y	5 - 20 (Wind & Weather)
Sealoflex Inc.	Sealoflex	Finish Coat (White)	Coating	0.77	0.69	Y	Y	10
Seaman Corporation	FiberTite	FiberTite XT, SM, FB, LX, Xtreme	Single-Ply	0.81	0.77	Y	Y	10 - 15
Siplast, Inc.	Siplast, Inc.	PC-227 Elastomeric Roof Coating	Coating	0.75	0.65	Y	N	5 - 10

Company Name	Brand	Model	Type	Initial Solar Reflectance	Solar Reflectance after 3 years*	Low Slope?	Steep Slope?	Warranty (years)**
Siplast, Inc.	Siplast, Inc.	Veral Aluminum	Modified Bitumen	0.88	0.66	Y	N	10 - 20
Solar Guard Coatings	Solastic	Premium Fibered Aluminum Coating	Coating	0.674	0.571	N	N	5
Solar Guard Coatings	Solastic	Premium Non-Fibered Aluminum Coating	Coating	0.677	0.587	N	N	5
Solar Guard Coatings	Solastic	Premium White Elastomeric Coating	Coating	0.805	0.668	N	N	5-10
Solar Guard Coatings	Solastic	White Elastomeric Coating	Coating	0.79	0.65	N	N	5-10
Southwest Metal Roofing Systems	Galvalume AZ55	Sheet Metal	Metal	0.68	0.52	Y	Y	20
Specialty Coatings Co. and Specialty Coatings Co. DBA Specialty Finishes Co.(CA)	Super Series 4800 Super Cool	Mission Clay 408-10-2R840	Built-Up-Roof (BUR)	0.312	0.3	N	Y	20
Stevens Roofing Systems	Stevens	Stevens EP	Single-Ply	0.86	0.85	Y	N	5 - 20
Stevens Roofing Systems	Stevens	Stevens Hypalon (CSM)	Single-Ply	0.85	0.77	Y	N	5-20
Stevens Roofing Systems	Stevens	Stevens Multi-Purpose Roof Coating	Coating	0.82	0.72	Y	N	
Structural Elastomeric Products, Inc.	E-las-tek	#100 Solar Mastic	Coating	0.856	0.772	Y	N	5
Structural Elastomeric Products, Inc.	E-las-tek	#109 Solar Magic	Coating	0.792	0.783	Y	N	4
Structural Elastomeric Products, Inc.	E-las-tek	#120 Solar Tek 2000	Coating	0.839	0.795	Y	N	6
Sun Tech Coating, Mfg	Sunguard	Top Coat 1	Coating	0.81	0.7	Y	N	5
Sunlife Systems	Sunlife	Sunlife Roofing Compound	Coating	0.9	0.84	Y	Y	10 - 15
Sunshine Systems, Inc.	Sunshine Systems	Sunshine Re-Roof Systems	Metal	0.7	0.66	Y	Y	10
Sunward Corporation	Sunward	Commercial High Rib/Rockweld TS 324	Metal	0.78	0.58	Y	Y	20
Superior Products International II, Inc.	Ceramic	Super Therm	Coating	0.8	0.79	Y	N	10-20
T. Clear Corporation	Lightguard	COOLGUARD	Tile	0.84	0.65	Y	N	5 - 10
TAMKO Building Products, Inc.	AstonWood	Wood Profile - Brite Red	Metal	0.33	0.33	N	Y	50
TAMKO Building Products, Inc.	AstonWood	Wood Profile - Coastal White	Metal	0.58	0.58	N	Y	50

Company Name	Brand	Model	Type	Initial Solar Reflectance	Solar Reflectance after 3 years*	Low Slope?	Steep Slope?	Warranty (years)**
TAMKO Building Products, Inc.	AstonWood	Wood Profile - Sequoia Red	Metal	0.27	0.27	N	Y	50
TAMKO Building Products, Inc.	AstonWood	Wood Profile - Taupe	Metal	0.28	0.28	N	Y	50
TAMKO Building Products, Inc.	StoneCrest	Slate Profile - Brite Red	Metal	0.33	0.33	N	Y	50
TAMKO Building Products, Inc.	StoneCrest	Slate Profile - Canyon Copper Bronze	Metal	0.32	0.32	N	Y	50
TAMKO Building Products, Inc.	StoneCrest	Slate Profile - Sequoia	Metal	0.27	0.27	N	Y	50
TAMKO Building Products, Inc.	TAM Star	White Coating	Coating	0.75	0.7	Y	Y	7
Tech Traders Inc.	Insuladd	E-Coat	Coating	0.85	0.75	Y	Y	10
Technical Roofing Solutions, Inc.	ADURON	OC9000	Coating	0.852	0.719	N	N	5 - 10/Lifetime
Technical Roofing Solutions, Inc.	Roof-Tek	Acry-Tek 4200 White	Coating	0.799	0.776	Y	Y	10
Technical Roofing Solutions, Inc.	Roof-Tek	RT-SP2206	Coating	0.83	0.83	Y	Y	5 - 10
Temp-Coat Brand Products, LLC	TEMP COAT	Roofing & Siding Coating	Coating	0.877	0.61	Y	Y	10
Texas Refinery Corp.	Texas Refining Corp.	Aluminum Quick-Patch	Coating	0.88	0.83	Y	N	
Texas Refinery Corp.	Texas Refining Corp.	White Metal Seal Elastomeric Coating	Coating	0.83	0.8	Y	N	
The Brewer Company	Cool King	#5621 Premium White Reflective Roof Coating	Coating	0.75	0.7	Y	N	7
The Brewer Company	Fortress	#5601 White Elastomeric Coating	Coating	0.83	0.71	Y	N	7
The Garland Company, Inc.	Bare Galvalume	R-Mer Span, R-Mer Loc, R-Mer Clad, R-Mer Lite	Metal	0.68	0.57	Y	N	30
The Garland Company, Inc.	Natural Patina	R-Mer Span, R-Mer Loc, R-Mer Seam, R-Mer Clad, R-Mer Lite	Metal	0.469	0.461	N	Y	30
The Garland Company, Inc.	Portland Stone	R-Mer Span, R-Mer Loc, R-Mer Seam, R-Mer Clad, R-Mer Lite	Metal	0.458	0.454	N	Y	30
The Garland Company, Inc.	Pyramic	White Reflective Coating	Coating	0.85	0.54	Y	Y	1 - 10
The Garland Company, Inc.	Regal White	R-Mer Span, R-Mer Loc, R-Mer Seam, R-Mer Clad, R-Mer Lite	Metal	0.681	0.671	N	Y	30
The Garland Company, Inc.	Sandstone	R-Mer Span, R-Mer Loc, R-Mer Seam, R-Mer Clad, R-Mer Lite	Metal	0.542	0.539	N	Y	30