



ATAS INTERNATIONAL, INC.
SRI, Total Solar Reflectance and Thermal Emittance Measured on ATAS Materials.

Category	ATAS No.	Name	Description	Total Solar Reflectance		Thermal Emittance	Initial Solar Reflectance Index	Meets ENERGY STAR®*		Listed by ENERGY STAR	Meets LEED® 2009	Listed by CRRC
				Initial	3-Year			Steep Slope	Low Slope			
Painted	36	Almond	Low Gloss	0.62		0.87	74	Yes			+++	
Painted	35	Titanium	Std. Gloss	0.51		0.87	59	Yes			+++	
Painted	629	Char Brown	Low Gloss	0.35	---	0.89	38	Yes**			+++	
Painted	24	Antique Patina	Std. Gloss	0.26	0.26	0.86	25	Yes		++		
Painted	10	Ascot White	Std. Gloss	0.67	0.66	0.85	80	Yes	YES	++	+++	
Painted	02	Black	Std. Gloss	0.05	---	0.88	-1					
Painted	26	Bone White	Std. Gloss	0.73	---	0.85	89	Yes	Yes	++	+++	
Painted	25	Boysenberry	Std. Gloss	0.28	0.25	0.85	27	Yes		++		Yes
Painted	17	Brite Red	Std. Gloss + Clear Coat	0.37	0.35	0.86	39	Yes			+++	
Painted	31	Champagne	Std. Gloss	0.55	0.49	0.79	62	Yes		++	+++	
Painted	62	Charcoal Grey	Std. Gloss	0.28	---	0.86	27	Yes**				
Painted	04	Chocolate Brown	Std. Gloss	0.27	---	0.85	25	Yes**				
Painted	01	Classic Bronze	Std. Gloss	0.09	---	0.87	3					
Painted	05	Concord Cream	Std. Gloss	0.65	0.68	0.85	78	Yes	Yes	++	+++	
Painted	23	Coppertone	Std. Gloss	0.50	0.51	0.86	57	Yes		++	+++	Yes
Painted	13	Dove Grey	Std. Gloss	0.48	0.44	0.85	54	Yes		++	+++	YES
Painted	11	Forest Green	Std. Gloss	0.25	---	0.84	23	Yes		++		YES
Painted	27	Hartford Green	Std. Gloss	0.25	0.26	0.85	23	Yes		++		
Painted	30	Hemlock Green	Std. Gloss	0.30	0.33	0.86	30	Yes		++	+++	
Painted	03	Medium Bronze	Std. Gloss	0.32	---	0.85	33	Yes**			+++	
Painted	08	Mission Red	Std. Gloss	0.44	---	0.86	48	Yes		++	+++	
Painted	12	Patina Green	Std. Gloss	0.43	0.41	0.85	47	Yes		++	+++	
Painted	15	Rawhide	Std. Gloss	0.55	0.51	0.85	64	Yes		++	+++	
Painted	07	Redwood	Std. Gloss	0.29	---	0.86	29	YES			+++	
Painted	18	Regal Blue	Std. Gloss	0.25	---	0.84	23	Yes**				
Painted	16	Rocky Grey	Std. Gloss	0.28	---	0.86	28	Yes		++		
Painted	06	Sandstone	Std. Gloss	0.57	0.55	0.85	66	Yes		++	+++	
Painted	14	Siam Blue	Std. Gloss	0.34	0.28	0.85	35	Yes		++	+++	
Painted	09	Sierra Tan	Std. Gloss	0.46	---	0.85	51	Yes		++	+++	

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				Initial	3-Year			Steep Slope	Low Slope			
Painted	28	Silversmith	Std. Gloss	0.47	0.54	0.81	51	Yes		++	+++	
Painted	21	Slate Blue	Std. Gloss	0.31	0.28	0.86	31	Yes		++	+++	
Painted	20	Slate Grey	Std. Gloss	0.39	---	0.85	42	Yes		++	+++	
Painted	19	Teal	Std. Gloss	0.30	0.28	0.85	30	Yes		++	+++	
Painted Americana Classic	AS	Asheland Slate	Std. Gloss + Clear Coat									
Painted Americana Classic	BS	Baja Slate	Std. Gloss + Clear Coat									
Painted Americana Classic	QS	Quarry Slate	Std. Gloss + Clear Coat									
Painted Americana Classic	WS	Willow Slate	Std. Gloss + Clear Coat									
Painted Americana Classic	BT	Beech Tree	Std. Gloss + Clear Coat									
Painted Americana Classic	SS	Shaded Spruce	Std. Gloss + Clear Coat									
Painted Americana Classic	DG	Deep Granite	Std. Gloss + Clear Coat									
Painted Americana Classic	RC	Rocky Cliff	Std. Gloss + Clear Coat									
Painted Americana Classic	WN	Weathered Stone	Std. Gloss + Clear Coat									
Unpainted	797	Galvalume® Plus	---	0.68	0.57	0.14	58	Yes	Yes	++	+++	
Unpainted		Anthra Zinc Pre-Weathered	---	0.06	---	0.64	-15					
Unpainted		Quartz Zinc Pre-Weathered	---	0.20	---	0.33	-18					
Unpainted (anodized)	470	Clear	---	0.77	---	0.70	92	Yes**	Yes**		+++	
Unpainted (anodized)	471	Dark Bronze	---	0.15	---	0.77	6					

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				Initial	3-Year			Steep Slope	Low Slope			

Properties posted on ENERGY STAR® and CRRC® websites may differ from these results on test samples.

* ENERGY STAR® Requirements:

Steep Slope > 2:12

Low Slope <= 2:12

TSR value must be equal or greater than Energy Star stated value

To qualify the data has to meet, or exceed, the initial AND the aged

** Meets ENERGY STAR® requirements based on initial reflectance only. No data available after 3 years. ENERGY STAR roofing products are not recognized in Canada.

++ Selected ATAS roofing products are ENERGY STAR® qualified with these paint systems. Contact ATAS for further information.

+++ Meets LEED® 2009 Credit 7.2 requirements for Heat Island Effect - Roof. Minimum SRI for Low Slope (<= 2:12) is 78 and for High Slope (> 2:12) is 29.