

GAF Energy Saving Products and Ratings - Updated - 6-23-21

All Listed Products (click on the product name for submittal documents)

Thermal emittance and solar reflectance values shown on this table are values obtained for CRRC ratings. Other values for reflectance or emittance may vary based on test requirements.

Title 24 is based on requirements effective January 1, 2020. Aged SRI (Title 24) is calculated using Aged Reflectivity and Initial Emisivity.

Program Link	Initial Reflectivity	3 Yr. Reflectivity	Initial Emisivity	3 Yr. Emisivity	Initial SRI	Aged SRI	Aged SRI (Title 24)	Low Slope	Steep Slope	CRRC Product ID #	Title 24	Miami 21	LEED Credit***
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Product Area: Cap Sheets

Program Link	Initial Reflectivity	3 Yr. Reflectivity	Initial Emisivity	3 Yr. Emisivity	Initial SRI	Aged SRI	Aged SRI (Title 24)	Low Slope	Steep Slope	CRRC Product ID #	Title 24	Miami 21	LEED v4 Credit
GAFGLAS® EnergyCap™ Mineral-Surfaced Cap Sheet (White)	0.74	0.68**	0.90	0.87**	92	82**	83	X	--	0676-0021b	Yes	Yes	Contributes
Ruberoid® EnergyCap™ 30 Granule FR (White)	0.73	0.65**	0.90	0.89**	90	79**	79	X	--	0676-0017b	Yes	Yes	Contributes
Ruberoid® EnergyCap™ HW Plus Granule FR (White)	0.73	0.65**	0.90	0.88**	90	78**	79	X	--	0676-0026a	Yes	Yes	Contributes
Ruberoid® EnergyCap™ Mop Plus Granule FR (White)	0.74	0.66**	0.90	0.88**	92	80**	80	X	--	0676-0086a	Yes	Yes	Contributes
Ruberoid® EnergyCap™ Torch Granule FR (White)	0.75	0.67**	0.90	0.88**	93	81**	82	X	--	0676-0025b	Yes	Yes	Contributes
Ruberoid® EnergyCap™ Torch Plus Granule FR (white)	0.74	0.64	0.90	0.89	92	77	78	X	--	0676-0019a	Yes	Yes	Contributes

Product Area: Coatings

HydroStop® PremiumCoat® Finish Coat (Cotton)	0.71	0.67	0.90	0.90	87	82	82	X	X	0676-0126	Yes	Yes	Contributes
HydroStop® PremiumCoat® Finish Coat (White)	0.86	0.73	0.90	0.93	109	91	90	X	X	0676-0125a	Yes	Yes	Contributes
TOPCOAT® MB Plus (White)	0.83	0.74	0.88	0.85	104	90	91	X	X	0676-0008	Not Eligible	Yes	Contributes
TOPCOAT® Membrane (White)	0.85	0.69	0.90	0.88	107	84	84	X	X	0676-0006	Yes	Yes	Contributes
TOPCOAT® Surface Seal SB (White)	0.84	0.59	0.90	0.87	106	70	71	X	X	0676-0007	Not Eligible	Yes	Contributes
United Coatings™ Acron 60 Roof Coating (White)	0.84	0.66	0.88	0.88	105	80	80	X	X	0676-0104	Not Eligible	Yes	Contributes
United Coatings™ Diathon® HT Roof Coating (White)	0.83	0.71	0.91	0.91	104	88	88	X	X	0676-0109a	Not Eligible	Yes	Contributes
United Coatings™ Diathon® Roof Coating (Light Tan)	0.71	0.59	0.93	0.90	88	71	71	X	X	0676-0108	Not Eligible	Yes	Contributes
United Coatings™ Diathon® Roof Coating (Tan)	0.67	0.44	0.90	0.89	82	50	50	X	X	0676-0107	Not Eligible	Not Eligible	Contributes
United Coatings™ Diathon® Roof Coating (White)	0.83	0.71	0.92	0.90	105	87	88	X	X	0676-0106	Yes	Yes	Contributes
United Coatings™ Elastuff™ 103 Roof Coating (White)	0.81	0.68	0.89	0.88	101	83	83	X	X	0676-0110	Not Eligible	Yes	Contributes

Program Link	Initial Reflectivity	3 Yr. Reflectivity	Initial Emissivity	3 Yr. Emissivity	Initial SRI	Aged SRI	Aged SRI (Title 24)	Low Slope	Steep Slope	CRRRC Product ID #	Title 24	Miami 21	LEED Credit***
United Coatings™ EnergyCote™ Roof Coating (White)	0.91	0.78	0.87	0.89	115	97	97	X	X	0676-0023	Not Eligible	Yes	Contributes
United Coatings™ Kymax™ Coating (White)	0.89	0.83	0.89	0.88	113	104	104	X	X	0676-0111a	Not Eligible	Yes	Contributes
United Coatings™ Roof Mate™ HT Coating (White)	0.83	0.71	0.91	0.91	104	88	88	X	X	0676-0116a	Not Eligible	Yes	Contributes
United Coatings™ Roof Mate™ MB Plus Coating (White)	0.83	0.74	0.88	0.85	104	90	91	X	X	0676-0117	Not Eligible	Yes	Contributes
United Coatings™ Roof Mate™ TCM Coating (White)	0.85	0.69	0.90	0.88	107	84	84	X	X	0676-0118	Yes	Yes	Contributes
Roof Mate™ Top Coat and United Coatings™ Roof Mate™ Top Coat (Light Tan)	0.71	0.59	0.93	0.9	88	71	71	X	X	0676-0114	Not Eligible	Yes	Contributes
Roof Mate™ Top Coat and United Coatings™ Roof Mate™ Top Coat (Tan)	0.67	0.44	0.90	0.89	82	50	50	X	X	0676-0115	Not Eligible	Not Eligible	Contributes
Roof Mate™ Top Coat and United Coatings™ Roof Mate™ Top Coat (White)	0.83	0.71	0.92	0.9	105	87	88	X	X	0676-0113	Yes	Yes	Contributes
Roofshield® Coating and United Coatings™ Roofshield® Coating (Tan)	0.66	0.48	0.90	0.89	80	55	56	X	X	0676-0120	Not Eligible	Not Eligible	Contributes
Roofshield® Coating and United Coatings™ Roofshield® Coating (White)	0.84	0.67	0.90	0.89	106	81	82	X	X	0676-0119	Not Eligible	Yes	Contributes
United Coatings™ RoofShield® I.S. Fast Dry Elastomeric Acrylic Coating	0.87	0.64*	0.90	Pending	110	Pending	78*	X	X	0676-0154	Yes	Yes	Contributes
United Coatings™ Surface Seal SB Roof Coating (White)	0.84	0.59	0.90	0.87	106	70	71	X	X	0676-0121	Not Eligible	Yes	Contributes
United Coatings™ Unisil HS II High Solids Silicone Roof Coating (White)	0.89	0.73	0.90	0.88	113	90	90	X	X	0676-0145	Yes	Yes	Contributes
United Coatings™ Unisil II Silicone Roof Coating	0.87	0.73	0.90	0.90	110	90	90	X	X	0676-0144	Yes	Yes	Contributes
Product Area: Shingles													
Glenwood™ (Golden Prairie) (Mt. Vernon, IN plant)	0.17	0.19	0.92	0.90	16	18	17	--	X	0676-0103	Yes	Yes	Not Eligible
Grand Sequoia® Reflector Series - Charcoal (Fontana, CA plant)	0.18	0.17	0.92	0.88	17	14	16	--	X	0676-0143	Yes	Yes	Not Eligible
Grand Sequoia® Reflector Series - Forest Brown (Fontana, CA plant)	0.19	0.17	0.92	0.89	19	15	16	--	X	0676-0140	Yes	Yes	Not Eligible
Grand Sequoia® Reflector Series - Ocean Gray (Fontana, CA plant)	0.19	0.18	0.92	0.89	19	16	17	--	X	0676-0142	Yes	Yes	Not Eligible
Grand Sequoia® Reflector Series - Sagewood (Fontana, CA plant)	0.20	0.19	0.92	0.88	20	17	19	--	X	0676-0139	Yes	Yes	Not Eligible

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Grand Sequoia® Reflector Series - Sandalwood (Fontana, CA plant)	0.20	0.20	0.92	0.89	20	18	20	--	X	0676-0141	Yes	Yes	Not Eligible
Grand Sequoia® Reflector Series™ Plus and Grand Sequoia® RS+ Charcoal Plus (Fontana, CA plant)	0.20	0.20*	0.92	Pending	20	Pending	20*	--	X	0676-0150	Yes	Yes	Not Eligible
Grand Sequoia® Reflector Series™ Plus and Grand Sequoia® RS+ Forest Brown Plus (Fontana, CA plant)	0.20	0.20*	0.93	Pending	20	Pending	20*	--	X	0676-0151	Yes	Yes	Not Eligible
Royal Sovereign® (White)	0.27	0.27	0.91	0.84	28	25	28	--	X	0676-0033	Yes	Yes	Not Eligible
Timberline HD® Reflector Series - Copper Canyon (Shafter, CA plant)	0.17	0.18	0.92	0.90	16	16	17	--	X	0676-0097	Yes	Yes	Not Eligible
Timberline HD® Reflector Series - Aged Chestnut (Shafter, CA plant)	0.18	0.19	0.90	0.88	16	17	18	--	X	0676-0130a	Yes	Yes	Not Eligible
Timberline HD®, Timberline HD® Reflector Series™, Timberline® HDZ™ RS, Timberline Ultra HD® Reflector Series™ and Timberline UHD® RS(Birchwood) (Shafter, CA plant)	0.20	0.23	0.92	0.93	20	24	24	--	X	0676-0096	Yes	Yes	Not Eligible
Timberline HD® Reflector Series - Charcoal (Shafter, CA plant)	0.16	0.17	0.92	0.88	15	14	16	--	X	0676-0136	Yes	Yes	Not Eligible
Timberline HD® Reflector Series - Coastal Slate (Shafter, CA plant)	0.18	0.19	0.91	0.88	17	17	18	--	X	0676-0131a	Yes	Yes	Not Eligible
Timberline HD® Reflector Series - Golden Amber (Shafter, CA plant)	0.20	0.22	0.92	0.89	20	21	22	--	X	0676-0098	Yes	Yes	Not Eligible
Timberline HD® Reflector Series - Hickory (Shafter, CA plant)	0.18	0.18	0.91	0.89	17	16	17	--	X	0676-0138	Yes	Yes	Not Eligible
Timberline HD® Reflector Series - Sagewood (Shafter, CA plant)	0.19	0.20	0.91	0.88	18	18	19	--	X	0676-0132a	Yes	Yes	Not Eligible
Timberline HD® Reflector Series - Sandalwood (Shafter, CA plant)	0.21	0.20	0.91	0.88	21	18	19	--	X	0676-0133a	Yes	Yes	Not Eligible
Timberline HD® Reflector Series - Stone Gray (Shafter, CA plant)	0.17	0.18	0.91	0.88	16	15	17	--	X	0676-0137	Yes	Yes	Not Eligible
Timberline HD® Reflector Series™ Plus and Timberline HD® RS+ Aged Chestnut Plus (Shafter, CA plant)	0.20	0.20*	0.93	Pending	20	Pending	20*	--	X	0676-0148	Yes	Yes	Not Eligible
Timberline HD® Reflector Series™ Plus and Timberline® HDZ™ RS+ (Charcoal Plus) (Shafter, CA plant)	0.20	0.20*	0.94	Pending	21	Pending	20*	--	X	0676-0153	Yes	Yes	Not Eligible
Timberline HD® Reflector Series™ Plus and Timberline HD® RS+ Hickory Plus (Shafter, CA plant)	0.20	0.20*	0.94	Pending	21	Pending	20*	--	X	0676-0149	Yes	Yes	Not Eligible

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Timberline HD® Reflector Series™ Plus and Timberline HD® RS+ Stone Gray Plus (Shafter, CA plant)	0.20	0.20*	0.93	Pending	20	Pending	20*	--	X	0676-0152a	Yes	Yes	Not Eligible
Timberline HD® Reflector Series™ Plus and Timberline® HDZ™ RS+ (Sagewood Plus) (Shafter, CA plant)	0.20	0.20*	0.92	Pending	20	Pending	20*	--	X	0676-0147	Yes	Yes	Not Eligible
Timberline® American Harvest® and Timberline® AH (Amber Wheat) (Tuscaloosa, AL and Fonta, CA plants)	0.18	0.19	0.92	0.90	17	18	19	--	X	0676-0099	Yes	Yes	Not Eligible
Timberline® Cool Series® and Timberline® CS (Cool Antique Slate) (Fontana, CA plant)	0.28	0.26	0.92	0.91	30	27	28	--	X	0676-0043a	Yes	Yes	Not Eligible
Timberline® Cool Series® and Timberline® CS (Cool Barkwood) (Fontana, CA plant)	0.27	0.26	0.90	0.92	28	28	27	--	X	0676-0041a	Yes	Yes	Not Eligible
Timberline® Cool Series® and Timberline® CS (Cool Weathered Wood) (Fontana, CA plant)	0.28	0.27	0.92	0.90	30	28	29	--	X	0676-0042a	Yes	Yes	Not Eligible
Timberline® Natural Shadow® and Timberline® NS (Arctic White) (Shafter, CA plant)	0.26	0.29	0.85	0.78	24	25	28	--	X	0676-0089	Yes	Yes	Not Eligible
Timberline HD® and Timberline® HDZ™ (White) (Tampa, FL plant)	0.26	0.29	0.85	0.78	24	25	28	--	X	0676-0030	Yes	Yes	Not Eligible
Product Area: Single-Ply													
EverGuard Extreme® TPO (Energy Gray)	0.73	0.66	0.90	0.89	90	80	80	X	X	0676-0101	Not Eligible	Yes	Contributes
EverGuard Extreme® TPO (White)	0.83	0.72	0.84	0.91	103	89	87	X	X	0676-0088	Yes	Yes	Contributes
EverGuard Extreme® TPO FB Ultra (White)	0.83	0.72	0.84	0.91	103	89	87	X	X	0676-0094	Yes	Yes	Contributes
EverGuard® Freedom™ TPO (White)	0.76	0.68	0.90	0.83	94	81	83	X	X	0676-0013	Yes	Yes	Contributes
EverGuard® PVC (White)	0.87	0.70	0.87	0.88	110	85	85	X	X	0676-0134a	Yes	Yes	Contributes
EverGuard® PVC Fleeceback (White)	0.87	0.70	0.87	0.88	110	85	85	X	X	0676-0134a	Yes	Yes	Contributes
EverGuard® PVC Smooth (White)	0.87	0.76	0.87	0.84	110	93	94	X	X	0676-0090	Yes	Yes	Contributes
EverGuard® PVC XK (White)	0.87	0.76	0.87	0.84	110	93	94	X	X	0676-0092	Yes	Yes	Contributes
EverGuard® PVC XK Fleeceback (White)	0.87	0.76	0.87	0.84	110	93	94	X	X	0676-0091	Yes	Yes	Contributes
EverGuard® TPO (Energy Gray)	0.72	0.67	0.87	0.90	88	82	81	X	X	0676-0045	Yes	Yes	Contributes
EverGuard® TPO (Energy Tan)	0.72	0.66	0.89	0.89	88	80	80	X	X	0676-0039	Yes	Yes	Contributes
EverGuard® TPO (Gray)	0.40	0.42	0.89	0.86	45	46	47	X	X	0676-0003	Not Eligible	Not Eligible	Not Eligible
EverGuard® TPO (Tan)	0.65	0.59	0.90	0.84	79	69	71	X	X	0676-0002	Not Eligible	Yes	Contributes

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EverGuard® TPO (White)	0.76	0.68	0.90	0.83	94	81	83	X	X	0676-0001	Yes	Yes	Contributes
EverGuard® TPO Fleece-Back Membrane and EverGuard® TPO FB Ultra (Gray)	0.40	0.42	0.89	0.86	45	46	47	X	X	0676-0029	Not Eligible	Not Eligible	Not Eligible
EverGuard® TPO Fleece-Back Membrane and EverGuard® TPO FB Ultra (Tan)	0.65	0.59	0.90	0.84	79	69	71	X	X	0676-0028	Not Eligible	Yes	Contributes
EverGuard® TPO Fleece-Back Membrane and EverGuard® TPO FB Ultra (White)	0.76	0.68	0.90	0.83	94	81	83	X	X	0676-0027	Yes	Yes	Contributes

*Calculated value per Title 24 requirements.

**CRRC Rapid Ratings (Interim laboratory-aged values that simulate weathered values which will be replaced with the measured three-year aged values upon completion of the weathering process.)

***Refer to LEED v4 SSc5: Heat Island Reduction for complete credit requirements and compliance paths.