



Synergy Building Technologies Vextron Roof Coatings by Synergy Building Technologies is a Multi Surface Coating made with our proprietary ACV Microspheres that act as an insulator and water repellent. Vextron Roof Coatings is an environmentally friendly, low VOC (less than 50g/ L) Premium Latex Paint for both interior and exterior use. Because Vextron Roof Coatings can be applied to multiple surfaces and meets United States federal performance specifications, it is an ideal paint for projects requiring ECO logically friendly, Insulating COOL color paint. Help us protect the Environment and save money by using Synergy Building Technologies Vextron Roof Coatings. Conserve and save energy.



Vextron Roof Coatings is the product used to paint !Kheis Cool City in cooperation with Peer Africa and WinBuild Inc. <https://za.usembassy.gov/renewable-technology-makes-life-bettercooler-ask-kheis/>

Synergy Building Technologies (Vextron) is a proud participant in Million Cool Roof Challenge : <https://www.coolroofchallenge.org/news-and-blogs/2019/9/18/global-effort-to-deploy-cool-roofs-gets-a-boost>



Vextron Roof Coatings is the product used in Accelerating the Clean Energy Transition in South Africa by The Office of Energy Efficiency & Renewable Energy of US Department of Energy (USDOE) with South African National Energy Development Institute (SANEDI) and Glocal Cool Cities Alliance (GCCA). <https://www.energy.gov/eere/articles/accelerating-clean-energytransition-south-africa>

Dengan Coolroofs Project, Suhu Kelas SD di Tangerang Bakal Lebih Adem

ON THE SPOT © Sabtu, 26 Oktober 2019, 16:31 WIB



Wali Kota Tangerang Arief R Wismansyah (tengah) mengoleskan bahan bahan coolroofs (Foto: Dok. Pemkot Tangerang)

(Vextron Roof Coatings is the product chosen when Indonesia launched The Cool Roof Program in Tangerang, Indonesia.)

WHO IS SYNERGY BUILDING TECHNOLOGIES

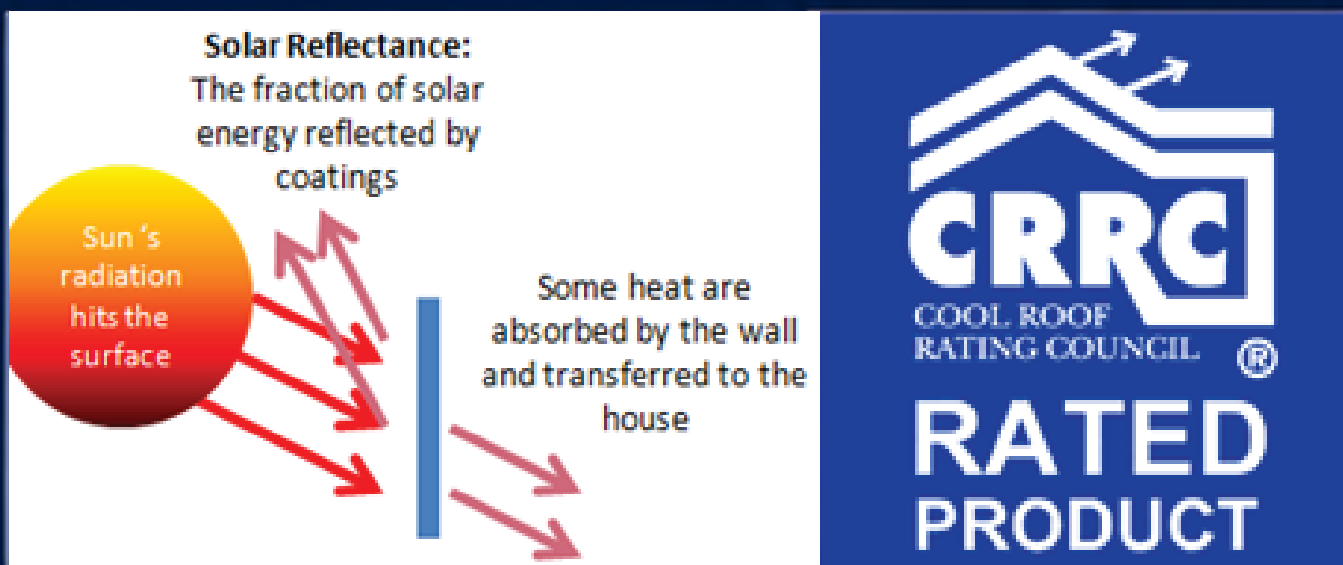
Synergy Building Technologies is a company started by 2 Engineers with over 30 years combined experience in the Building Materials industry. Their expertise resides in Process Engineering, Material Performance, Laboratory Testing and Qualification, Code Compliance and Quality Management in a high volume, multiple locations, and manufacturing environment. With access to the most up- to- date testing equipment, both founders can test and validate product quality and performance. In addition, the mission is to provide the Market with high performance, highly competitive, cost effective, and environmentally friendly solutions.

VEXTRON ROOF COATINGS

Vextron Roof Coatings is environmentally friendly premium latex paints that contain our proprietary ACV Microspheres. The features are low VOC, COOL colors with high solar reflectivity, thermal insulation, water repelling and have a high hide capability.

SOLAR REFLECTANCE AND INSULATION

Synergy Building Technologies color selection is validated to be coatings that reflect the radiation of the sun. In addition, our proprietary ACV Microsphere matrix reduces the temperature transfer by approximately 20%. The space age ACV Microspheres nullify the three methods of heat transfer through scientifically proven Knudsen diffusion. The affect is lower heat transfers wherever Vextron Roof Coatings is applied, saving you money. As an added benefit the ACV Microspheres are naturally Hydrophobic which repels water and will not allow molds to grow.



		Initial	Weathered
		0.84	0.77
Solar Reflectance		0.90	0.88
Thermal Emittance			
Rated Product ID Number			0001
CRRC Licensee ID Number			1212
Classification			Production Line

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.

Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

SYNERGY BUILDING TECHNOLOGIES VEXTRON ROOF COATINGS TECHNICAL DATA SHEET

Characteristics	Specification	Test Method
Viscosity	90-100 K.U.	BYK Viscometer
Dry Time	Dry to touch, 30 min.	Test by applications.
Fineness of Grind	Spec 6 or above	ASTM D1210 Fineness of grind Gauge.
Alkalinity, pH	8.5-9.5	pH Meter
Opacity	0.98 minimum	ASTM D2805
Scrub Resistance Flat Eggshell	+150 cycles +250 cycles	ASTM D2486
% Solids by volume	40-60%	-
Spread Rate	200-300 sq ft/gal	-
VOC	Less than 50g/L	-

Recommended wet film per coat: 4.5-6 mils

Recommended dry film per coat: 2-3 mils

Description: Synergy Building Technologies Vextron Roof Coatings is a white cool roof coating formulated for multiple surfaces.

Surface Preparation: All surfaces must be cured, clean, dry and free from dirt, dust rust, stains, grease, oil, mildew, wax, efflorescence, and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, high pressure washing, or other appropriate methods. Repair all cracks, holes, and other surface imperfections with suitable patching material. Repaired surfaces should then be sanded, cleaned, and spot primed with suitable primer or sealer. If efflorescence exists, remove all noticeable deposits and prime the entire surface with suitable primer. New wood and metal surfaces should be primed with appropriate product

INSULATION AND THERMAL TRANSFER

Synergy Building Technologies Vextron Roof Coatings contains our proprietary ACV Microspheres utilizes nano- size voids, micronized ceramics and micro- size vacuum spheres to dissipate the heat molecules preventing the three ways for heat to travel: conduction, convection and radiation.

The ACV Microspheres in Vextron Roof Coatings is one of best insulators in the world and its active ingredients are currently use in high tech insulation application for space exploration for both vehicle and human protection in extreme hot and cold weather