

CERAMAX™

Now you can
paint-on durable
Ceramic protection
from the heat of the sun.

Space-Age ceramic heat reduction technology developed by NASA for the Space Shuttle is now available in **CeramaX™** an easy to apply, waterproof ceramic filled protective coating.

CeramaX™ is based on previously top secret technical information from the NASA Space Program. From that information was created unique Sealed Ceramic Micro-Bubbles that we add to our coating to give **CeramaX™** its great heat reduction properties. These patented ceramic Micro-Bubbles act just like little thermos bottles to reduce heat transfer. There are over 100 BILLION of these “thermos bottles” in each gallon of **CeramaX™**.

CeramaX™ is intended for use in a wide variety of roofing and wall coating applications where heat reflection and refraction is needed in a low density coating able to withstand wind, rain, and sun.

CeramaX™ does not trap moisture in the substrate and it contains a blend of unique biocides to fight against the growth of mold, mildew, fungus, and algae even in Sub Tropical locations.

CeramaX™ contains proprietary solar-reflective ceramic compounds suspended in a unique hybrid Acrylic Terpolymer emulsion with special modifiers. You get excellent adhesion, high weather resistance, UV stability, elasticity, toughness, and exceptionally long life with minimal maintenance.

CeramaX™ is a high-build coating made from highly water-resistant polymers that give great flexibility, stretch and elongation. Use on roofs for the ultimate in heat reduction and watertight integrity.

CeramaX™ is ideal for asphalt roofs, metal roofs, modified bitumen roofs, concrete, block, precast, stucco, brick, and exposed aggregate, metal siding walls and a host of other substrates.

CeramaX™ is one component of a highly effective system for coating which includes special primers and sealants to be applied prior to that application of **CeramaX™**.

CeramaX™

Properties	Test Method	Test Result
Flame Spread	ASTM E-84-87	10 or less
Smoke Developed	ASTM E-84-87	less than 5
Adhesion	ASTM D-3359	100%
Elongation	ASTM D-2370	200%+
Tensile Strength	ASTM D-2370	200psi
Accelerated Aging	ASTM G-53	Passed 200 hours
Density	ASTM D-792	0.98 @ 24C-dried film
Viscosity	Brookfield 10rpm	6-9 Kcps
Wt per gallon	7.8#	
Solids Percent	53% Volume 50% Weight	(51% PVC)
Shelf Life	1 year	

Heat Reduction Potential: Up to 60 degree summertime heat reduction depending on roof surface composition and sunlight intensity on the surface. Apply by Brush, Roller, or Airless Sprayer with less than 3000 psi only. Apply at 100 square feet per gal in a 2 to 3 coat application for optimum protection and durability on roofs or walls.
Available in 5 gallon pails or 30 or 50 gallon drums on special request.

OTHER TECHNICAL INFORMATION:

Lead and chromate free: Yes
Resin: Proprietary Acrylic TerPolymer
Cures by: Evaporation
Color: White and tintable to light pastel colors on request.
Hiding: Excellent at 10 dry mils (18 dry mils recommended)
Gloss: Low-sheen, velvet finish
VOC Emissions: ONLY 18 grams/liter (.15 lb/gallon) = ZERO
UV Resistance: Excellent
Fungus / Mildew Resistance: Very High
Film Thickness: 100 sf per gal = 16 wet mils = 9 dry mils/coat
Dry Time: To Touch – 50 minutes @ 70% R.H.
To Recoat – 3 hours depending on humidity levels.
To Fully Cured – 7 days
Clean up: Soap and Water on wet material.
Thin with a small amount of water if needed.

Do not use airless sprayers with over 3500 psi as these extremely high pressure levels can crush the hollow ceramic microspheres and prevent the needed heat reduction values.

Designed and Manufactured by

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