



ULTRAGRANICOAT™

EXTERIOR SPRAY-ON SOLID SURFACE MATERIAL

Ultra Granicoat® is an enhanced Granicoat® product for exterior use or where there is a need for higher thermal shock resistancy.

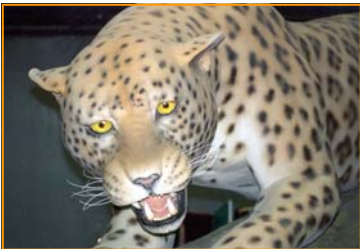
Granicoat® is a unique solid surface material that is sprayed on by qualified fabricators. Because it is a solid surface, scratches and scuffs buff right out. Additionally, Granicoat is stain and corrosion resistant, fungi & bacteria resistant, color consistent, UV stabilized and FDA approved (in most colors).

Ultra Granicoat® provides exceptional color consistency and excellent blister resistance, so it is an ideal material for outdoor furnitures, bar tops and counter tops. It is also ideal for fiberglass outdoor spas, swimming pools (in certain colors) or applications where additional thermal shock stability is required, such as kitchen sinks.

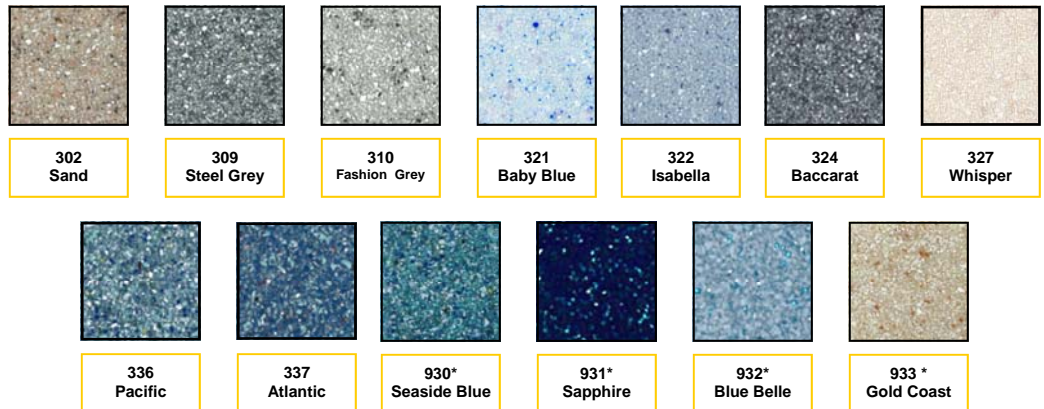


For furniture, counter top and other non-spa or swimming pool applications, all of our standard colors and designs are available. Ask our sales department for samples or visit our website.

AVAILABLE ULTRA GRANICOAT® COLORS FOR SWIMMING POOLS & SPAS



Ultra Granicoat's® revolutionary properties are ideal for making outdoor sculptures and facades.



These colors are only representations of Safas' colors. Slight color variations do occur between the color chart and actual product. Colors with "*" have a glitter affect. Ask your fabricator or Safas Corporation for a sample of the actual color before making your final color selection.

Granicoat and Ultra Granicoat® are registered trademarks of Safas Corporation.



Physical Properties and Technical Data (Comparison between Ultra Granicoat and Standard Granicoat)

PROPERTIES	RESULTS	RESULTS	TEST STANDARD
	STD. GRANICOAT	ULTRA GRANICOAT	
Approximate Weight	12.6 lbs/gallon	12.6 lbs/gallon	SAFAS STM-027
Viscosity (fresh)	12,500-15,000 cps	12,500-15,000 cps	SAFAS STM-005
Gel Time	12—20 minutes	12—20 minutes	SAFAS STM-006
Shelf Life	12 months	12 months	SAFAS STM-018
Hardness**	45-55	40-50	ASTM D2583
Thermal Expansion	1.58×10^{-5} in/in °F	1.58×10^{-5} in/in °F	ASTM D696
High Temperature Resistance	No Lasting Effect	No Lasting Effect	NEMA LD3 1985
Stain Resistance	Passes	Passes	ANSI Z124
Weatherability**	No Change—500 hours	No Change—1,000 hours	NEMA LD3 2000
Fire Resistance	Class B	Class B	ASTM E-84
Boiling Water Resistance	No Changing Effect	No Changing Effect	NEMA LD3 1985
Thermal Shock Stability**	> 500 cycles	> 1,000 cycles	ANSI Z124.3
Glass Transition Temperature**	90-100 °C	80-90 °C	ASTM E-1640
Impact Resistance**	STD	15% higher than Standard	ASTM D5420 ASTM D5023
Chemical Resistance	Passes	Passes	ASTM D-1308
Color Stability	No Change	No Change	NEMA LD3 1980

U.S. Patent #: 5,476,895 & International: 672755



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Stain & Chemical Resistance

Ultra Granicoat has been tested with the following materials with no lasting effects:

Solvents: Acetone, Methanol, Ethanol, Naptha, Toluene, Kerosene, Gasoline

Acids: Citric, Sulfuric 20%, Phosphoric, Hydrochloric, Acetic

Alkaline: Sodium Hydroxide 30%, Ammonium Hydroxide, Hydrogen Peroxide, Sodium Hypochlorite

Other: Ammonia, Blood, Coffee, Lipstick, Urea, Wine, etc.