

## Custom Colors & Blends

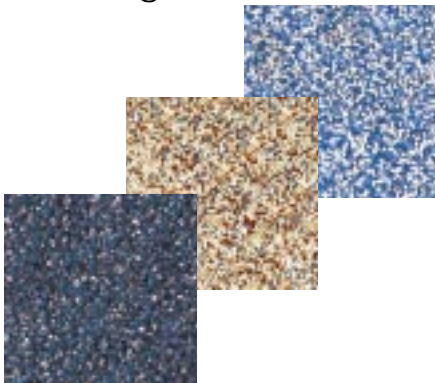
Not every job fits a pre-set mold. Most do not. Estes' provides the service of custom colors, and custom blends. We can match a color swatch, or simply give us a PMS number!



Our custom blending allows you to give us a formula of 2, 3, or 4 colors of sand, and we can blend and ship directly to a job sight, with the sand ready to mix into your resin!

Custom blends can ship in 3 business days!

Custom color matches take longer.

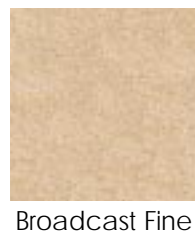
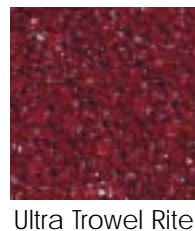
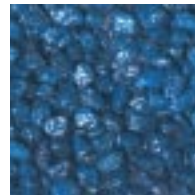


## The Mineral

All Estes' Surface Aggregates are colored on high purity silica. The five Sand grades each have a translucent base, which helps transmit and intensify color. The Moe - Hardness of Silica is approximately 7.

## Appearance

With a total of 6 Size Grades and an almost infinite range of colors and blends available, Estes' provides an un-matched selection of textures, patterns, and design options.



## Application

Estes' Surface aggregates are designed to work well in a wide variety of resins, including Epoxy, Urethanes, and Acrylics.

## Density & Coverage

Because all of our grades use silica as the base mineral, the bulk density of each grade is in the range of 90 - 100 lbs. per cubic foot.

Thus approximate coverage can be calculated:

$$\begin{aligned} &\text{Area to be covered} \\ &\quad \text{(in square feet)} \\ &\quad \times \\ &\text{Thickness of the floor} \\ &\quad \text{(inches in decimals)} \\ &\quad \times \\ &\quad 8.0 \end{aligned}$$

**Example:**  
100sq. ft covered  
in 1/8" thickness  
would be  
calculated :

$$\begin{aligned} &100 \\ &\times 0.125 \\ &\times 8.0 = \\ &100 \text{ lbs.} \end{aligned}$$

SUPER TROWEL RITE

BROADCAST MEDIUM

TROWEL RITE

Teal

Teak

Light Beige

Green

Yellow

Chocolate

Gray

Camel

White

Blue Gray

OSHA Yellow

Tan

Black

Red

Buff

Blue

All products shown  
approximate actual size.  
The above colors are also available in  
Broadcast Fine, Ultra Trowel Rite, and Dek Rok.



<b>Chemical Analysis</b> (Typical)	
SiO <sub>2</sub>	99.808%
Fe <sub>2</sub>	0.016%
A12 O3	0.042%
Ca O & Mg O	0.2%
Loss on ignition	0.10%

### Typical Screen Analysis for Estes' Perma-Color Surface Aggregates

Product	Mesh, percent retained on									
	8	12	16	20	30	40	50	70	100	140
Dek-Rok	Large sub-angular or semi-rounded aggregate, 3 to 4 millimeters in size									
Ultra Trowel-Rite	3.0%	31.0%	43.3%	15.4%	5.1%	1.6%	0.4%	0.2%	Trace	
Super Trowel-Rite		1.7%	26.8%	42.9%	19.2%	6.4%	2.2%	0.8%	Trace	
Trowel-Rite			12.9%	20.1%	55.0%	11.2%	0.8%	Trace		
Broadcast Medium				9.0%	12.4%	54.0%	22.0%	1.9%	0.7%	Trace
Broadcast Fine					0.3%	6.1%	27.2%	40.0%	22.4%	4.0%

## About Estes'...

The Clifford W. Estes Company has been producing colored minerals for industry since 1847. Estes' has been a pioneer in the science of color coating aggregates. Along with its Surface Aggregates, Estes' is the world leader in producing aggregates for use in aquariums.

# Estes'

Clifford W. Estes Co., Inc.

40 Vreeland Ave, Suite 104, Totowa, NJ 07512 • Ph. 973-890-2220 • Fax 973-890-1515 • Web Site [www.estesco.com](http://www.estesco.com)