

Estes' PermaColor Quartz Granules HP

Product Data Sheet

Grade: Broadcast Medium, Trowel-Rite

PermaColor HP Granules* have been specially formulated for demanding applications associated with today's newer high performance resin systems. To compliment the performance of UV resistant coatings PermaColor HP Granules were developed to resist UV in outdoor or indoor applications. Their polymer backbone compatibility with aliphatic, epoxy, polyurea, and acrylics make them an exceptional choice for resinous systems. Only the most UV stable pigments have been incorporated into the aggregate system to maintain colorfastness.

General Data		
Property	Measuring Standards	Value
Hardness	Moh's Hardness Scale	6.5-7
Bulk Density	ASTM C29/C29M-97 (2003)	90-100 Lbs./ Cu. Ft.
Specific Gravity	ASTM C128-01e1	2.65

Composition (Typical)	
Material	% Weight
Silica Sand	97.5
Resin	2.0
Various colorants	0.5

Chemical Analysis (Typical base mineral)				
SiO ₂	Fe ₂	Al ₂ O ₃	CaO & MgO	Loss on Ignition
99.808%	0.016%	0.042%	0.200%	0.100

Sieve Analysis (ASTM D451-91 (2002))							
Mesh (% Retained)	16	20	30	40	50	70	100
Retained- BC Med		9.0	12.4	54.0	22.0	1.9	0.7
Retained- Trowel-Rite		41.0	54.0	4.0	<1	<1	

PermaColor Quartz HP Granules are available in **twelve** standard colors:

White			
Walnut	Chocolate	Black	Blue
Light Beige	Gray	Red	Blue Gray
Green	Tan	Buff	

* This data sheet is intended for informational purposes only. The Clifford Estes Company cannot be responsible for the end use of this product. Final suitability of the product is the responsibility of the user.