

Inorganic Color Shift Pigments

Description

Sands-Secure® inorganic COLOR SHIFT pigments are 5 – 50 micron synthetically manufactured SiO₂ (Silicon dioxide) platelets that are coated with metal oxides to yield a smooth COLOR SHIFT, iridescent interference effect. These pigments can be used independently to create paints, inks, coatings, etc., or combined with pigments of other colors to yield an exceptional range of color shift possibilities.

Application Suggestions

Paints, inks, powder coatings, plastics and packaging, Sands-Secure® inorganic color shift pigments are characterized by extremely simple dispersion in all media, and yield an exceptional range of color shift possibilities when combined with other colored pigments. The color shift, which is dependent on the angle of view, makes it ideal for the creation of a wide range of effect colors by application in a transparent binder. In one-coat applications, the substrate base color can be chosen to modify or mute the impact of the color shift.

Product Properties

<u>Name</u>	<u>Color Pair</u>	<u>HWS#</u>
Azure	Gold-Green to Deep Blue	ADA6912
Cassius	Violet to Green-Blue	ADA3585
Cyprus	Copper to Bronze-Green	ADA3948
Valeri	Turquoise to Silver	ADA5794
Vienna	Green to Orange-Red	ADA7486

Sands-Secure® inorganic color shift pigments can be used where a subtle overt method of authentication and verification is required (e.g. ID cards, packaging, etc.).

H. W. Sands understands that it is impossible for one security solution to meet the entire authentication and verification needs of the marketplace; this is why we offer a broad array of Overt, Semi-Covert, Covert and Forensic security solutions under the Sands-Secure® brand. By offering a broad assortment of security solutions we can work closely with you and your customers to meet your customized layered security requirements. Ask for Sands-Secure® brochure SST1 for a complete line-up of our security products.

All applications using this product should be thoroughly tested prior to approval for production.

The information herein is believed to be reliable and is to assist customers in determining whether our products are suitable for their applications. However, no warranty, express or implied, is made as to its accuracy or completeness and none is made as to fitness of this material for any purpose. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute any other warranty, express or implied, including any warranty of merchantability or fitness, nor of protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental, or consequential damages. We shall not be liable for damages to person or property resulting from its use. Consult the Material Safety Data Sheet for additional information.