



Phantom Water Dispersions Invisible Yellow AIT-4466

DayGlo® Color Corp. Phantom pigments are a new line of Invisible pigments. Phantom pigments can be used for security and tracing applications where non-visible color is warranted. Invisible Yellow Pigment Dispersion, AIT-4466, is manufactured with water flexo printing in mind.

The fluorescing color properties under a UV (Black) light source make the Phantom Water Dispersion Invisible Yellow uniquely suited for security applications and product authentication. Phantom pigments offer excellent physical properties, a unique color shade and ease of use.

Physical Properties:

Physical Properties	Invisible Yellow AIT-4466
Product Form	Water Dispersions
Pigment Concentration	35%
Density	9 #/gal (+/-0.3#)
Grind	7.0 + Hegman
Viscosity	100 to 700 cps Brookfield #1 @ 20 RPM
Solubility	NS

Phantom Invisible Yellow AIT-4466 is suitable for most water formulations including inks, coatings, and adhesives. AIT-4466 can be used at low concentrations by weight (1% to 10%) to achieve a vibrant yellow response under UV (Black) light. Typical uses include printed watermarks; coating and adhesive UV tracers for UV activated scanners, and printed background-counterfeiting applications.

Lightfastness:

Phantom Pigments exhibit good lightfastness and UV response for indoor applications. However, the product's exterior lightfastness is limited. The user should conduct testing to determine if the Phantom pigments will meet their lightfastness requirements for the final application.

