x-series

X-Series
Specialty Materials Pigment Powders

Specialty Material Pigment Powders & Base Dispersions for Custom Development & Production

PhotoLuminescent | PhotoChromic | ThermoChromic | Invisible UV Fluorescent | Invisible IR Absorbing

specialFX™ is a new X-Series family of pigment powders and base component dispersions made from special effects raw materials which glow in the dark, UV fluoresce, absorb IR, and change color with light or heat. These extraordinary properties can be used in a large variety of unique customer and market applications including security, textiles, temperature indication, safety precautions, tinting, and much more. Use these pigments/dispersions to custom develop and produce ink, paint, paste, dispersion, gel, cream, and powder.

specialFX

PhotoLuminescent | PhotoChromic | ThermoChromic | UV Fluorescent | IR Invisible

PhotoLuminescent

After absorbing varieties of visible light, these pigments can glow in the dark for over 12 hours. Excitation and emission can be repeated indefinitely to give a glow of green, blue, yellow, violet, or white. Applications include textiles, signage, safety precautions in the dark, & more!

PhotoChromic

These sunlight-sensitive, pigments change from white to a variety of bright colors in a sunlit environment.

These powders are great for paints, inks, plastics, tinting glass, blocking the sun & more!

ThermoChromic

When heated to a specific temperature, these pigments go from colored to colorless, but once the temperature cools down, the original color appears again. You can also use our irreversible color change option, where pigments remain colorless after cooling. Or mix different pigments for multiple changes in color. Applications include food packaging, visual effects on drinking mugs, a temperature indication tool & more!

Invisible NIR Absorbing

Absorbing near-infrared wavelengths, these pigments are colorless to the naked eye and only appear black when using a device which can see in the infrared range. Applications include security, marking items while retaining normal appearance, blocking night vision & more!

Invisible UV Fluorescent

These colorless pigments fluoresce yellow, green, orange, red, and violet colors under UV light exposure. Custom colors can also be created by request. Applications include security, identification, coding, anti-counterfeiting & more!

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Specialty Material Pigment Powders & Base Dispersions Sample Applications

PhotoLuminescent | PhotoChromic | ThermoChromic |
Invisible UV Fluorescent | Invisible IR Absorbing

PhotoLuminescent

Glow in the dark pigment powders. Colors appear bright and luminescent in darkness.

PhotoChromic

Photon induction pigment powders. Glass changes colors with introduction of light.

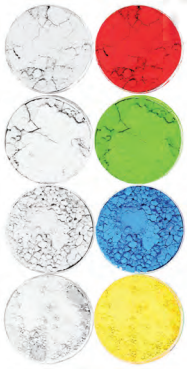
ThermoChromic

Temperature induction pigment powders. Cup temperature gauge changes color and adjusts to introduction of hot liquids.

COLD	HOT	TOO HOT
Below 120°F	Below 140°F	Above 140°F

UV Fluorescent

Ultraviolet fluorescent pigment powders. Pigments appear colorless in normal light and appear vibrant and colorful with introduction of ultraviolet light.



Normal light UV light

NIR Absorbing

Infrared absorbing pigment powder. An infrared device scans invisible infrared content that is not visible in normal view.

DNSC diversified nano solutions corp