

Pigment Structure

The natural mineral mica is used as the basis for DayGlo's Cambio Color pigments. The mica substrate is important for two key aspects of the pigment's structure, it acts as a mechanical support for the thin metal oxide layers and the mineral can be cleaved to thin platelets of high aspect ratios. Mica platelets are then coated with a controlled thickness of titanium dioxide which when minutely altered can create a range of interference colors. While interference pigment technology is not unique to Cambio Color products, an extra-added dimension is added by coating the mica platelet with a final layer of absorption color. The final effect that is achieved is a dramatic two-color viewing angle dependant shift of color or color "flop."

Cambio Color Product Line

Cambio Color Product Code	Interference Color	Absorptive Color
CCS-1317	Red	Yellow
CCS-2413	Gold	Red
CCS-1813	Green	Red
CCS-1817	Green	Yellow
CCS-1819	Green	Blue
CCS-1319	Red	Blue
CCS-1913	Blue	Red
CCS-1318	Red	Green
CCS-1307	Red	Black

Technical Data

Particle Size Range	3-60 μm
d10	8-11 μm
d50	21-26 μm
d90	36-44 μm
Density	2.4 g/cm ³
Bulk Density	0.40 g/ cm ³ (24.9 lbs./ cu.ft.)
Oil Absorption	60-65 (ISO 787) 65-70 (ASTM D 281)

