



CHROMAFLAIR[®]
COLOR SHIFTING PIGMENTS

ChromaFlair WR Series Pigments

ChromaFlair WR Series pigments, available in five popular colors, are suitable for waterborne paints and coatings. Sol-gel encapsulation technology (trapping pigment inside a shell of amorphous silicon dioxide) provides long shelf stability and prevents oxidation of the aluminum layer.

Brand owners worldwide use ChromaFlair to differentiate their products with dramatic, eye-catching visual effects. In masstone formulations or as styled colors appropriate for use with high-end products, ChromaFlair pigments help designers create unique, styled colors for distinctive individual brands.

Key Features

- Excellent water resistance
- Excellent exterior durability
- Easy to disperse
- Strong color saturation

Applications

- Waterborne paints and coatings



Gold/Silver 080WR



Red/Gold 000WR



Blue/Red 280WR



Green/Purple 190WR



Silver/Green 060WR

Specifications

Product Name	Gold/Silver 080WR	Red/Gold 000WR	Blue/Red 280WR	Green/Purple 190WR	Silver/Green 060WR
Part Number	30118077	30118076	30118079	30118078	30118080
Certifiable Properties					
Color tolerance ΔE_{cmc}^1	5	5	5	5	5
L^*1	73.0	43.9	40.1	52.4	61.2
a^*1	7.6	31.2	18.4	-35.7	9.0
b^*1	58.2	5.1	-46.4	-3.4	8.2
Particle size — D50 ²	19–24	19–24	19–24	19–24	19–24
Particle size — D99 ²	<67 μm	<67 μm	<67 μm	<67 μm	<67 μm
Typical Properties					
Specific gravity ($\text{H}_2\text{O} = 1.0 \text{ g/cm}^3$)	2.81	2.81	2.81	2.81	2.81
BET surface area (m^2/g)	1.63	1.81	1.51	1.45	1.30
Weight percent silica	22%	18%	16%	11%	10%
Weight percent solids	100%	100%	100%	100%	100%
Heat stability	<300°C	<300°C	<300°C	<300°C	<300°C

1. JDSU test methods #21074545 and #21074804.

2. JDSU test method #04092004-J7BI-BP3K.

Regulatory Statement

JDSU confirms that the substances identified in the products listed below are in compliance with the EU regulation (EC) no. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).



Telephone +1 707 525-7007
Fax +1 707 525-7537
E-mail customcolor@jdsu.com