



# 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
<b>Certifiable Properties</b>					
Color tolerance $\Delta E_{cmc}^1$	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 <sup>2</sup>	19–24	19–24	19–24	19–24	19–24
Particle size — D99 <sup>2</sup>	<67 $\mu\text{m}$	<67 $\mu\text{m}$	<67 $\mu\text{m}$	<67 $\mu\text{m}$	<67 $\mu\text{m}$
<b>Typical Properties</b>					
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 ( $\text{m}^2/\text{g}$ )	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. Viavi test methods #21074545 and #21074804.

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

## Regulatory Statement

Viavi 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).

## Ordering Information

Product Name	Appearance	Part Number
Red/Gold 000WR	Shifts from red through orange and yellow into green	30118076
Silver/Green 060WR	Shifts from silver through green into bluish purple	30118080
Gold/Silver 080WR	Shifts from gold into bluish silver	30118077
Green/Purple 190WR	Shifts from green through blue and red into orange	30118078
Blue/Red 280WR	Shifts from blue and red into orange	30118079



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