



## next generation technology

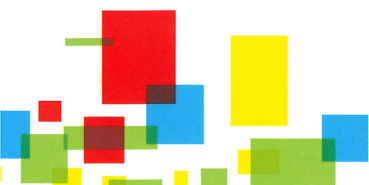
Sun Chemical, known as a pioneer of synthetic mica-based effects, presents SunSHINE® Spectral Effects, our next generation synthetic mica platform (INCI designation Synthetic Fluorphlogopite). Utilizing a unique deposition process, we are able to create a range of effect pigments possessing greater clarity, luster and chroma than was previously achievable. With no end-use restrictions and industry-leading heavy metal purity standards, SunSHINE Spectral Effects retains all of the benefits you have come to expect from SunSHINE. For an enhanced color spectrum, include SunSHINE Spectral Effects in your next cosmetic formulation.

SunSHINE Spectral Effects	Product Code	Particle Size Distribution	Chemical Composition %		
			Synthetic Fluorphlogopite	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>
Spectral Gold	C81-4115	5-35 microns	44-55	45-56	
Spectral Red	C81-4135	5-35 microns	27-38	62-73	
Spectral Violet	C81-4145	5-35 microns	24-35	65-76	
Spectral Blue	C81-4155	5-35 microns	55-66	34-45	
Spectral Green	C81-4165	5-35 microns	17-28	72-83	
Spectral Golden	C84-4215	9-45 microns	35-52	34-45	14-20
Spectral Orange	C84-6125	5-35 microns	43-53		47-57
Spectral Bronze	C84-6185	5-35 microns	45-55		45-55
Spectral Copper	C84-6195	5-35 microns	40-50		50-60
Spectral Russet	C84-6175	5-35 microns	33-43		57-67

	Heavy Metal Specifications									
	Hg	As	Pb	Cd	Ba	Sb	Cu	Cr	Ni	Zn
SunSHINE Spectral Iridescent Effects	1 ppm	1 ppm	1 ppm	1 ppm	10 ppm	1 ppm	10 ppm	10 ppm	10 ppm	10 ppm
SunSHINE Spectral Metallic Effects	1 ppm	1 ppm	3 ppm	1 ppm	30 ppm	1 ppm	30 ppm	30 ppm	50 ppm	40 ppm

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# SunChemical®

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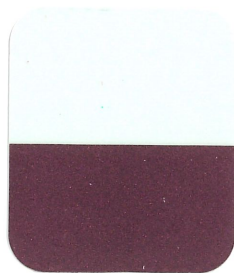


Color & Comfort





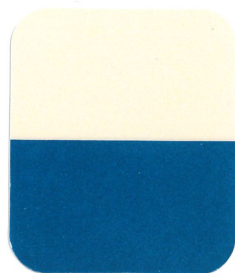
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C84-6175  
Spectral Russet  
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Sun Chemical Performance Pigments  
General Sales Office USA  
International Operations Belgium  
Sun Chemical México  
www.sunchemical.com

+1 800 543 2323  
+32 1023 1500  
+52 55 5358 7247

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