

A close-up photograph of a woman's face, focusing on her eyes and lips. She has a soft smile and is wearing bright pink lipstick. Her skin is covered in numerous small, shimmering synthetic mica pearls. She is wearing a gold beaded necklace. The background is dark and out of focus.

who offers synthetic mica pearls
with unmatched brilliance?

we do.

SunSHINE[®] Effects

Solutions. Tailor-Made.™

A decorative graphic in the bottom left corner consisting of several overlapping squares in red, yellow, blue, and green.

SunChemical[®]

a member of the DIC group



for uncompromising quality and selection, SunSHINE® Effects.

SunSHINE® Effects, based on synthetic mica (INCI designation Synthetic Fluorophlogopite), offer unmatched quality and performance in cosmetic applications. As synthetic mica is virtually contaminant free, SunSHINE® Effects provide some of the lowest residual heavy metal levels available in the market today. Batch-to-batch consistency is far greater than natural mica-based effect pigments, which contributes to a cleaner appearance with improved transparency, luster and chroma. While other effect pigments may be restricted in end-use applications due to their particle size or abrasiveness, the smooth surface of SunSHINE® Effects makes them an ideal choice for any finished product formulations. Larger fraction SunSHINE® Effects are also an efficient and cost-effective alternative to borosilicate-based effect pigments. Try SunSHINE® Effects in your next cosmetic formulation and see the difference for yourself.



pure radiance... SunSHINE® White Effects.

SunSHINE® White Effects	Product Code	Chemical Composition %	
		Synthetic Fluorphlogopite	TiO ₂
Fine White	C80-3100	50-65	35-50
Super White	C80-3201	63-78	22-37
Glitter White	C80-3400	74-89	11-26
Crystal White	C80-3501	78-89	11-22
Super Glitter White	C80-3702	77-92	8-23
Ultra Glitter White	C80-3800	80-95	5-20

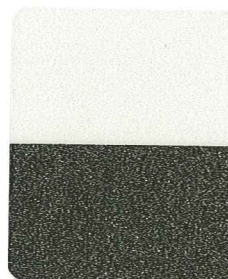
	Heavy Metal Specifications									
	Hg	As	Pb	Cd	Ba	Sb	Cu	Cr	Ni	Zn
FDA	1 ppm	1 ppm	10 ppm							
E171	1 ppm	3 ppm	10 ppm	1 ppm		50 ppm				50 ppm
SunSHINE® White Effects	1 ppm	1 ppm	1 ppm	1 ppm	10 ppm	1 ppm	10 ppm	10 ppm	10 ppm	10 ppm



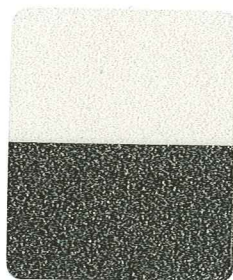
C80-3100
Fine White
1-20 microns



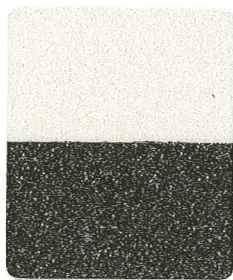
C80-3201
Super White
9-45 microns



C80-3400
Glitter White
20-95 microns



C80-3501
Crystal White
25-150 microns



C80-3702
Super Glitter White
40-250 microns



C80-3800
Ultra Glitter White
95-730 microns

brehtaking luster... SunSHINE® Iridescent Effects.

SunSHINE® Iridescent Effects	Product Code	Chemical Composition %	
		Synthetic Fluorphlogopite	TiO ₂
Super Gold	C81-3210	55-70	30-45
Super Red	C81-3230	50-65	35-50
Super Violet	C81-3240	47-62	38-53
Super Blue	C81-3250	44-59	41-56
Super Green	C81-3260	41-56	44-59
Glitter Gold	C81-3410	69-84	16-31
Glitter Red	C81-3430	66-81	19-34
Glitter Violet	C81-3440	65-80	20-35
Glitter Blue	C81-3450	63-78	22-37
Glitter Green	C81-3460	61-76	24-39
Crystal Gold	C81-3511	74-85	15-26
Crystal Red	C81-3531	71-82	18-29
Crystal Violet	C81-3541	70-81	19-30
Crystal Blue	C81-3551	68-79	21-32
Crystal Green	C81-3561	65-76	24-35
Super Glitter Gold	C81-3710	73-88	12-27
Super Glitter Red	C81-3730	71-86	14-29
Super Glitter Violet	C81-3740	70-85	15-30
Super Glitter Blue	C81-3750	69-84	16-31
Super Glitter Green	C81-3760	68-83	17-32

	Heavy Metal Specifications									
	Hg	As	Pb	Cd	Ba	Sb	Cu	Cr	Ni	Zn
FDA	1 ppm	1 ppm	10 ppm							
E171	1 ppm	3 ppm	10 ppm	1 ppm		50 ppm				50 ppm
SunSHINE® Iridescent Effects	1 ppm	1 ppm	1 ppm	1 ppm	10 ppm	1 ppm	10 ppm	10 ppm	10 ppm	10 ppm



SunSHINE® Iridescent Effects



C81-3210
Super Gold
9-45 microns



C81-3230
Super Red
9-45 microns



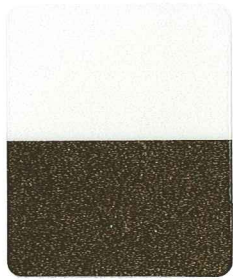
C81-3240
Super Violet
9-45 microns



C81-3250
Super Blue
9-45 microns



C81-3260
Super Green
9-45 microns



C81-3410
Glitter Gold
20-95 microns



C81-3430
Glitter Red
20-95 microns



C81-3440
Glitter Violet
20-95 microns



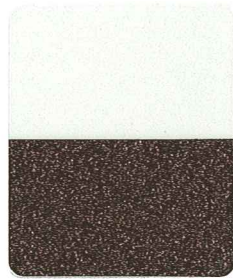
C81-3450
Glitter Blue
20-95 microns



C81-3460
Glitter Green
20-95 microns



C81-3511
Crystal Gold
25-150 microns



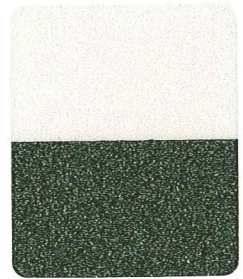
C81-3531
Crystal Red
25-150 microns



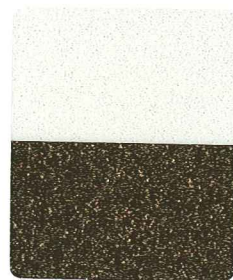
C81-3541
Crystal Violet
25-150 microns



C81-3551
Crystal Blue
25-150 microns



C81-3561
Crystal Green
25-150 microns



C81-3710
Super Glitter Gold
40-250 microns



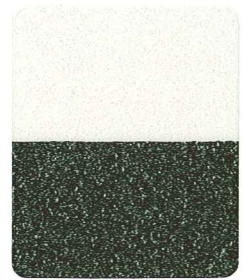
C81-3730
Super Glitter Red
40-250 microns



C81-3740
Super Glitter Violet
40-250 microns



C81-3750
Super Glitter Blue
40-250 microns



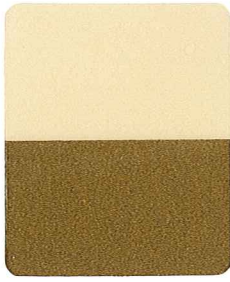
C81-3760
Super Glitter Green
40-250 microns

the look of metallics, without the metals...
SunSHINE® Metallic Effects.

SunSHINE® Metallic Effects	Product Code	Chemical Composition %		
		Synthetic Fluorophlogopite	TiO ₂	Fe ₂ O ₃
Super Golden	C84-3211	50-70	28-43	2-7
Super Bronze	C84-6282	58-73		27-42
Super Copper	C84-6292	51-66		34-49
Super Russet	C84-6273	47-62		38-53
Glitter Golden	C84-3412	61-80	17-32	3-7
Glitter Bronze	C84-6480	73-88		12-27
Glitter Copper	C84-6490	69-84		16-31
Glitter Russet	C84-6470	67-82		18-33
Crystal Golden	C84-3512	66-81	16-27	3-7
Crystal Bronze	C84-6585	80-90		10-20
Crystal Copper	C84-6595	77-87		13-23
Crystal Russet	C84-6575	74-84		16-26
Super Glitter Golden	C84-3710	66-85	12-27	3-7
Super Glitter Bronze	C84-6790	75-90		10-25
Super Glitter Copper	C84-6780	73-88		12-27
Super Glitter Russet	C84-6770	71-86		14-29

	Heavy Metal Specifications									
	Hg	As	Pb	Cd	Ba	Sb	Cu	Cr	Ni	Zn
FDA (TiO ₂)	1 ppm	1 ppm	10 ppm							
FDA (Iron Oxides)	3 ppm	3 ppm	10 ppm							
E171	1 ppm	3 ppm	10 ppm	1 ppm		50 ppm				50 ppm
E172	1 ppm	5 ppm	20 ppm	5 ppm	50 ppm		50 ppm	100 ppm	200 ppm	100 ppm
TiO ₂ + Fe ₂ O ₃ coated SunSHINE® Metallic Effects	1 ppm	1 ppm	1 ppm	1 ppm	10 ppm	1 ppm	10 ppm	20 ppm	20 ppm	30 ppm
Fe ₂ O ₃ coated SunSHINE® Metallic Effects	1 ppm	1 ppm	1 ppm	1 ppm	30 ppm	1 ppm	30 ppm	30 ppm	60 ppm	60 ppm

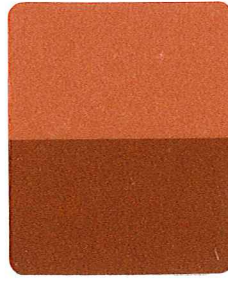
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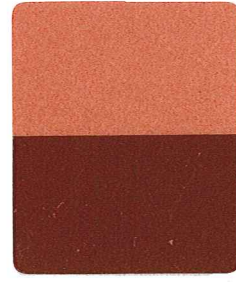
C84-3211
Super Golden
9-45 microns



C84-6282
Super Bronze
9-45 microns



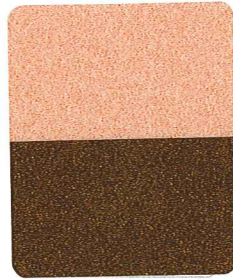
C84-6292
Super Copper
9-45 microns



C84-6273
Super Russet
9-45 microns



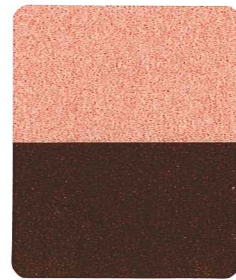
C84-3412
Glitter Golden
20-95 microns



C84-6480
Glitter Bronze
20-95 microns



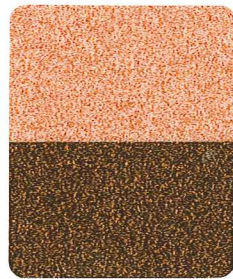
C84-6490
Glitter Copper
20-95 microns



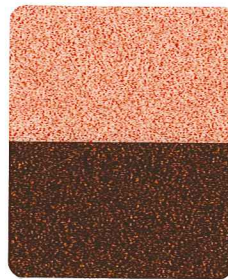
C84-6470
Glitter Russet
20-95 microns



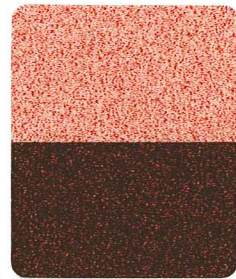
C84-3512
Crystal Golden
25-150 microns



C84-6585
Crystal Bronze
25-150 microns



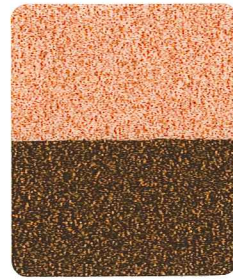
C84-6595
Crystal Copper
25-150 microns



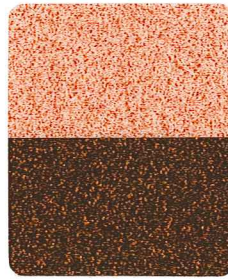
C84-6575
Crystal Russet
25-150 microns



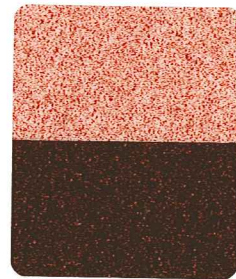
C84-3710
Super Glitter Golden
40-250 microns



C84-6790
Super Glitter Bronze
40-250 microns



C84-6780
Super Glitter Copper
40-250 microns



C84-6770
Super Glitter Russet
40-250 microns



Sun Chemical - Global Success in a World of Color

Sun Chemical Performance Pigments has been in the color business for over 100 years. Our leading-edge technology is unsurpassed as we continue our commitment to solve the color issues of today and develop new solutions for the future. Headquartered in Cincinnati, Ohio, Sun Chemical Performance Pigments is a division of Sun Chemical Corporation.

With annual revenues of more than \$4 billion, Sun Chemical Corporation is the world's largest producer of printing inks and pigments. We also are a leading provider of materials and services to cosmetics, packaging, publications, coatings, plastics and other industrial markets. Sun Chemical has a worldwide network of more than 300 locations that provide customers local service with a global perspective.

To learn more about our pigments, contact your local Sun Chemical representative.

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