MICRONIZED PIGMENTS FOR COATINGS

XERRA

Empower Color Globally

OXERRA micronized iron oxide pigments are made around the globe and are excellent products for use in paints, plastics and specialty applications.

Complete details on other pigment offerings can be found at oxerra.com.

OXERRA micronized iron oxides are high-quality pigments tailored for coatings with premium requirements. Our state-of-the-art capabilities in deagglomeration save our customers time, energy and labor in their paints, dispersions and other liquid products. With optimized dispersion properties, the products shown can be used directly with high-speed dispersing equipment (no media milling is required).

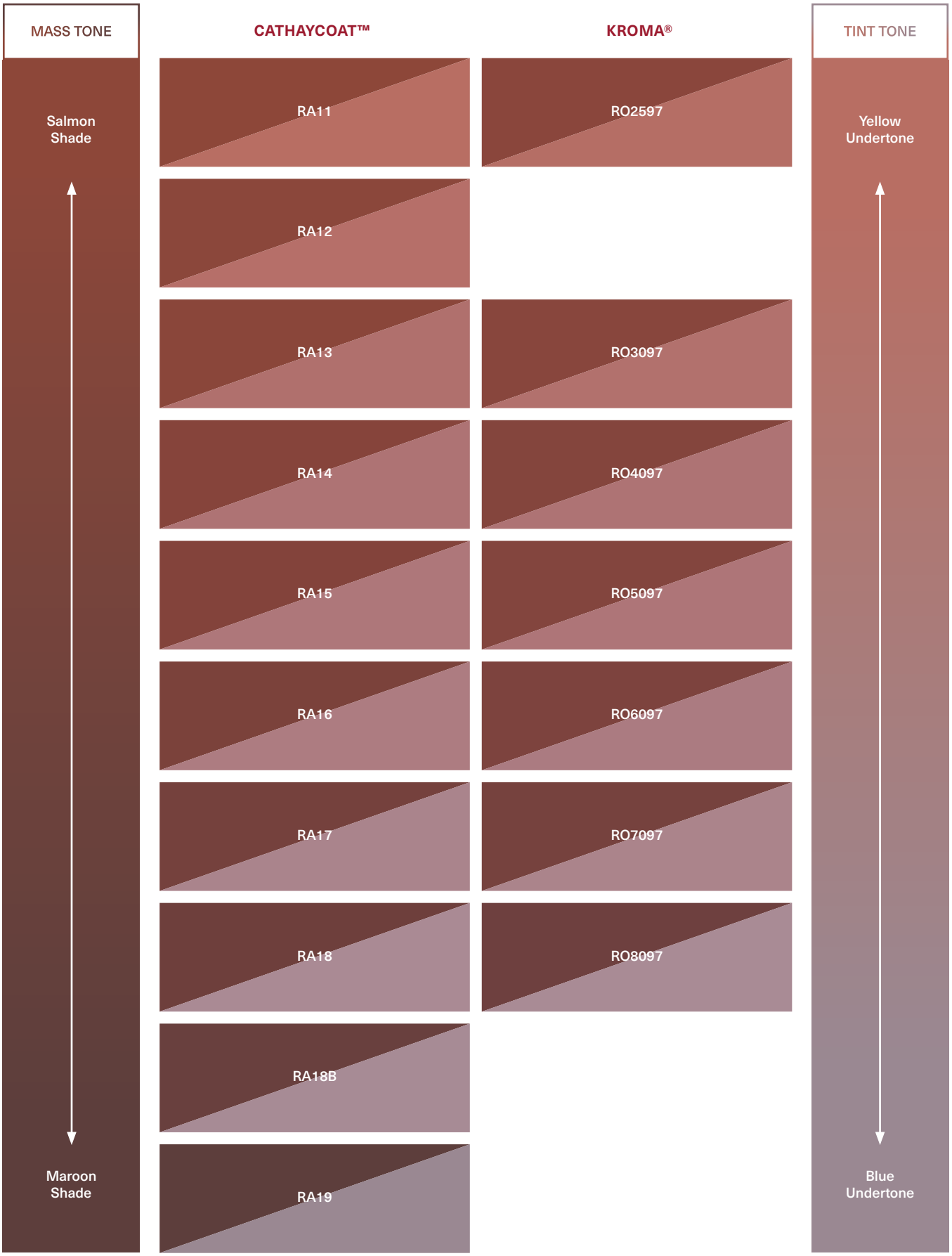
Our high chroma reds push the limits of inorganic color space. Our historical products cover the clean, saturated colors of Copperas Reds, beginning with the warm hue of salmon and ending with a clean maroon shade. Each of these offerings has excellent physical and chemical properties and are an important part of any color palette.

In the yellow range, OXERRA has a broad range of products, including the unique LV (Low Viscosity) grades that allow for best-in-class viscosity at the highest pigment loadings. Our technological advantage allows our customers to achieve optimized mill base loadings in various systems, and also provides excellent stability in applications where volumetric or gravimetric dosing is required.

Our iron oxide blacks are easy to disperse, featuring a deep masstone with undertones ranging from light yellow to blue with excellent jetness. They are non-hazardous, low-dusting and serve as an excellent alternative to other black chemistries.

UNIVERSAL MICRONIZED REDS

Colors Represent Mass Tone and Tint Tone (Reduction with TiO_2 1:3)

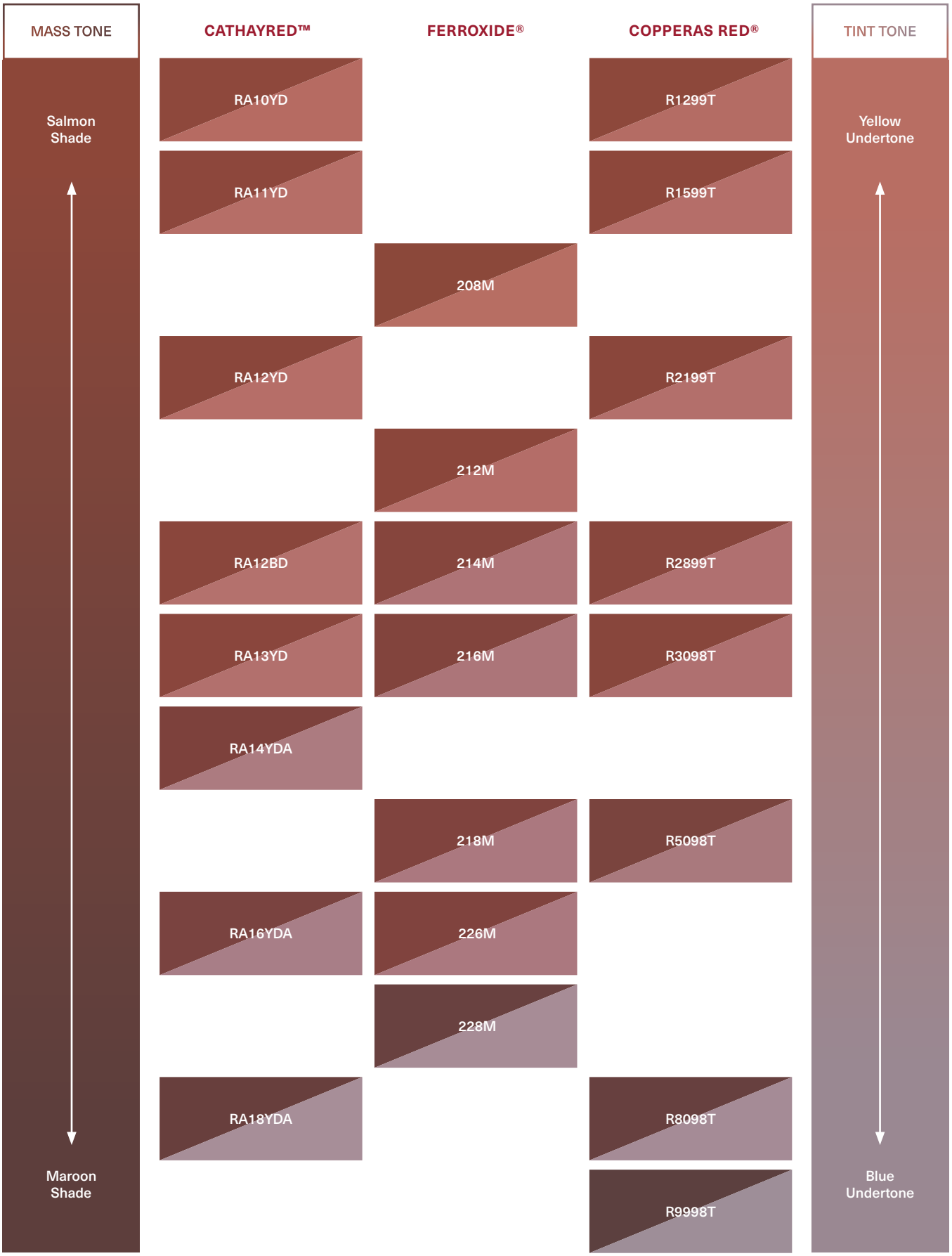


Test Method		CATHAYCOAT™	KROMA®
	Product Code	RA11, RA12, RA13, RA14, RA15, RA16, RA17, RA18, RA18B, RA19	R02597, R03097, R04097, R05097 R06097, R07097, R08097
BS1014	Purity, % (as Fe2O3)	95+	96+
ISO 787-5	Oil Absorption (g/100g)	15 - 25	15 - 25
ISO 787-10	Density (g/cm^3)	5.0	5.0
ISO 787-7	Sieve Residue on 325 mesh (%)	≤ 0.01	≤ 0.01
ISO 787-3	Water Soluble Salts (%)	≤ 0.3	≤ 0.3
ISO 787-9	pH	5 - 8	5 - 8
ISO 787-2	Moisture (%)	≤ 1	≤ 1
ASTM D1210	Hegman	6.0+	6.0+
d50 from PSD	Avg. Particle Size (microns)	0.2 - 1.0	0.2 - 1.0
Electron Micrograph	Particle Shape	Spherical	Spherical
ISO 7724-2	dE	1.0 max	1.0 max
ISO 8781-1	Tinting Strength (%)	95 - 105	95 - 105

IMPORTANT COLOR ACCURACY NOTE
Color chips shown are only as accurate as the printing process allows. Colors may be slightly different from actual shades. This is for your reference only. Actual samples will provide best representation.

HIGH CHROMA MICRONIZED REDS

Colors Represent Mass Tone and Tint Tone (Reduction with TiO_2 1:3)



Test Method		CATHAYRED™	FERROXIDE®	COPPERAS RED®
	Product Code	RA10YD, RA11YD, RA12BD, RA12YD, RA13YD, RA14YDA, RA16YDA, RA18YDA	208M, 212M, 214M, 216M, 218M, 226M, 228M	R1299T, R1599T, R2199T, R2899T, R3098T, R5098T, R8098T, R9998T
BS1014	Purity, % (as Fe2O3)	95+	97+	96+
ISO 787-5	Oil Absorption (g/100g)	10 - 25	10 - 35	10 - 25
ISO 787-10	Density (g/cm^3)	5.0	5.0	5.0
ISO 787-7	Sieve Residue on 325 mesh (%)	≤ 0.01	≤ 0.02	≤ 0.04
ISO 787-3	Water Soluble Salts (%)	≤ 0.3	≤ 0.3	≤ 0.3
ISO 787-9	pH	4 - 9	5 - 8	5 - 8
ISO 787-2	Moisture (%)	≤ 1	≤ 1	≤ 1
ASTM D1210	Hegman	6.0+	3.0 - 6.0+	6.0+
Electron Micrograph	Particle Shape	Spherical	Spherical	Spherical
ISO 7724-2	dE	1.0 max	1.0 max	1.0 max
ISO 8781-1	Tinting Strength (%)	95 - 105	95 - 105	95 - 105

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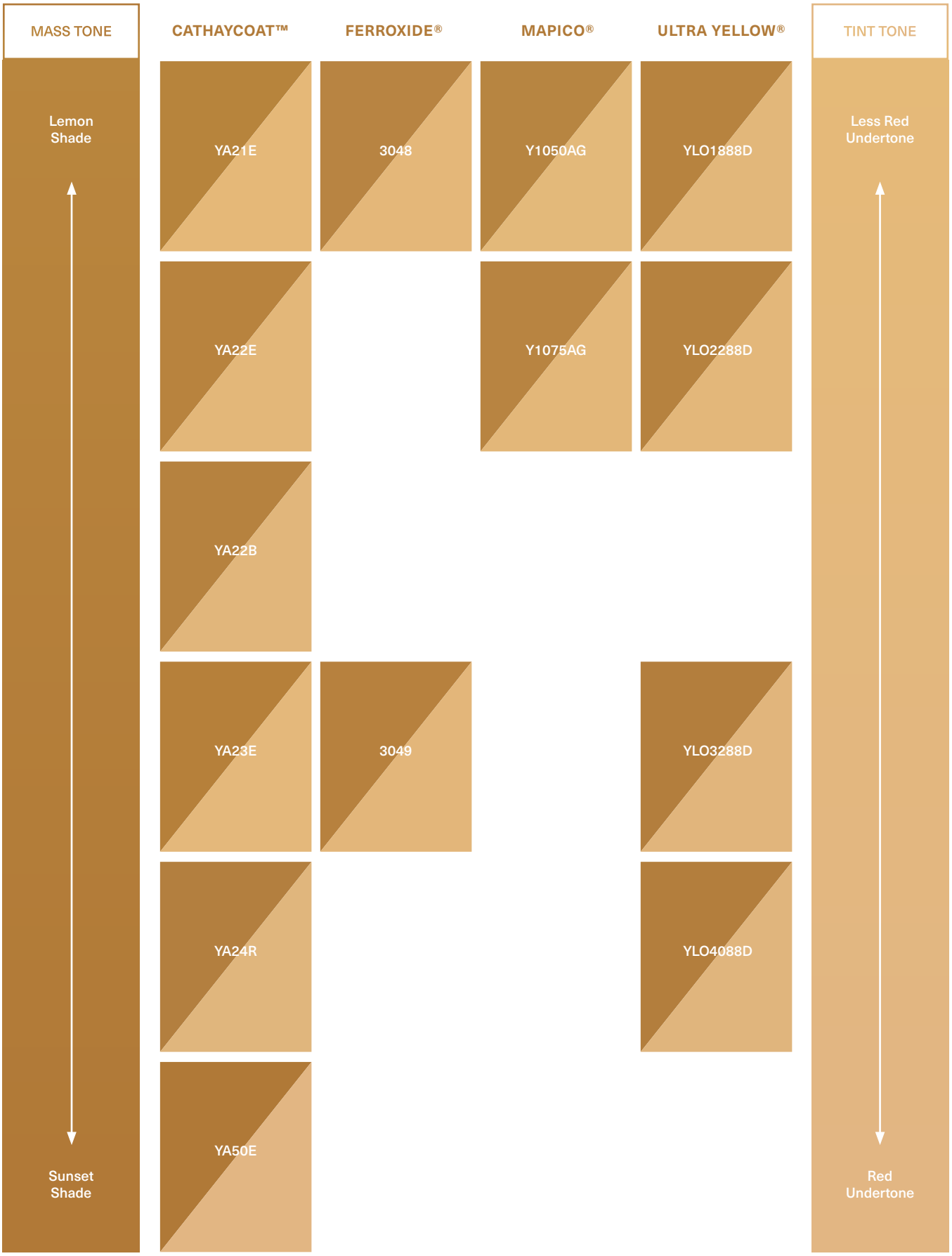
UNIVERSAL MICRONIZED YELLOWS

Colors Represent Mass Tone and Tint Tone (Reduction with TiO_2 1:3)



Test Method		CATHAYCOAT™	FERROXIDE®	MAPICO®	ULTRA YELLOW®
	Product Code	YA21E, YA22E, YA22B, YA23E, YA24R, YA50E	3048, 3049	Y1050AG, Y1075AG	YLO1888D, YLO2288D, YLO3288D, YLO4088D
BS1014	Purity, % (as Fe2O3)	86+	86+	86+	86+
ISO 787-5	Oil Absorption (g/100g)	28 - 40	28 - 40	30 - 40	28 - 40
ISO 787-10	Density (g/cm^3)	4.1	4.1	4.1	4.0
ISO 787-7	Sieve Residue on 325 mesh (%)	≤ 0.01	≤ 0.02	≤ 0.02	≤ 0.01
ISO 787-3	Water Soluble Salts (%)	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3
ISO 787-9	pH	5 - 8	3.5 - 7	5 - 8	5 - 8
ISO 787-2	Moisture (%)	≤ 1	≤ 1	≤ 1	≤ 1.3
ASTM D1210	Hegman	6.0 +	6.0	5.5	6.0 +
d50 from PSD	Avg. Particle Size (microns)	0.4	–	–	–
Electron Micrograph	Particle Shape	Acicular	Acicular	Acicular	Acicular
ISO 7724-2	dE	1.0 max	1.5 max	1.5 max	1.0 max
ISO 8781-1	Tinting Strength (%)	95 - 105	95 - 105	95 - 105	95 - 105

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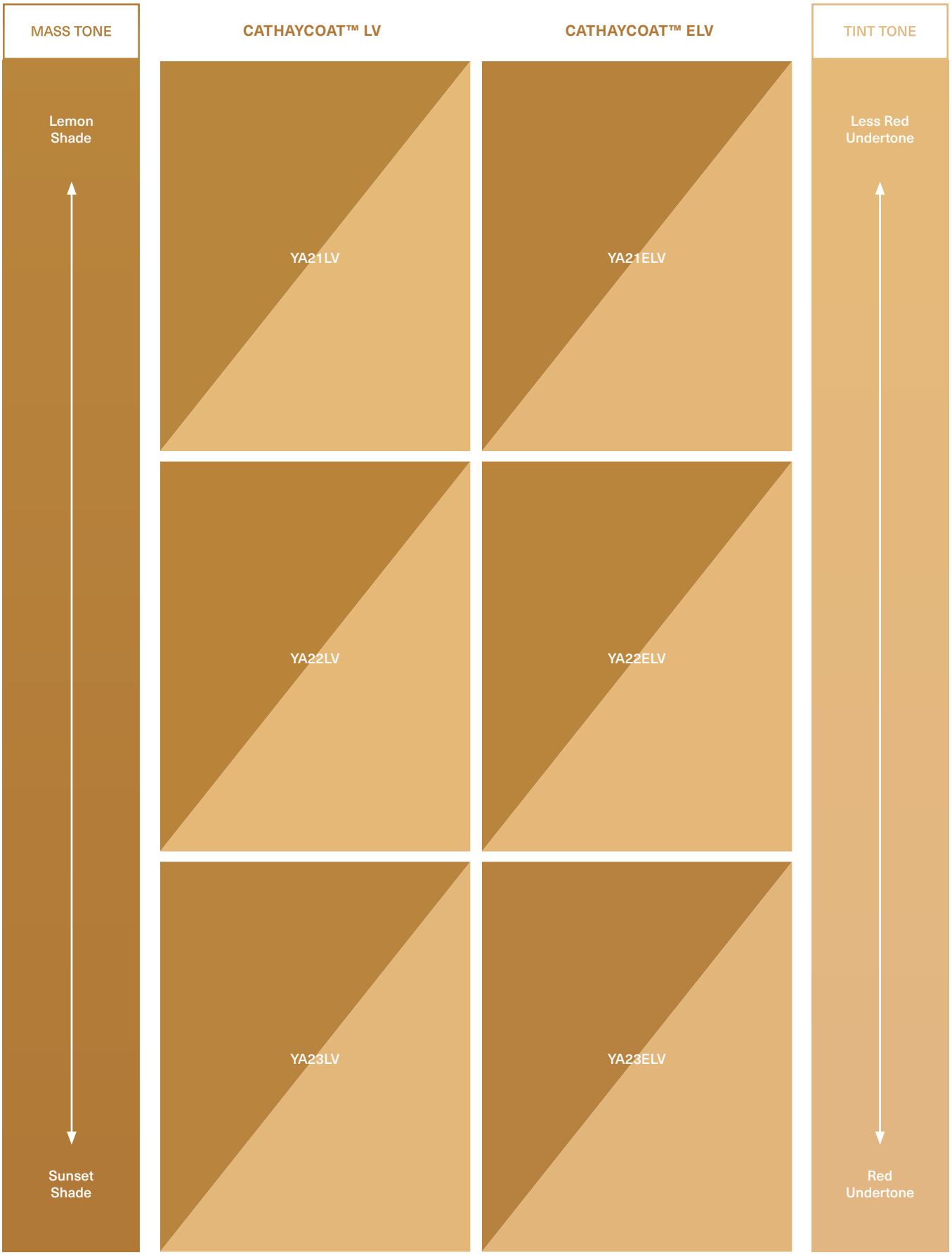
LOW VISCOSITY MICRONIZED YELLOWS

Colors Represent Mass Tone and Tint Tone (Reduction with TiO_2 1:3)



CATHAYCOAT LV products have near Newtonian flow in any application at loadings above 65%. ELV grades have similar results for most dispersions and paint applications.

Test Method		CATHAYCOAT™ LV	CATHAYCOAT™ ELV
	Product Code	YA21LV, YA22LV, YA23LV	YA21ELV, YA22ELV, YA23ELV
BS1014	Purity, % (as Fe2O3)	86+	86+
ISO 787-5	Oil Absorption (g/100g)	28 - 40	28 - 40
ISO 787-10	Density (g/cm^3)	4.1	4.1
ISO 787-7	Sieve Residue on 325 mesh (%)	≤ 0.01	≤ 0.01
ISO 787-3	Water Soluble Salts (%)	≤ 0.3	≤ 0.3
ISO 787-9	pH	5 - 8	5 - 8
ISO 787-2	Moisture (%)	≤ 1	≤ 1
ASTM D1210	Hegman	6.0 +	6.0 +
d50 from PSD	Avg. Particle Size (microns)	≤ 0.4	≤ 0.4
Electron Micrograph	Particle Shape	Acicular	Acicular
ISO 7724-2	dE	1.0 max	1.0 max
ISO 8781-1	Tinting Strength (%)	95 - 105	95 - 105

IMPORTANT COLOR ACCURACY NOTE
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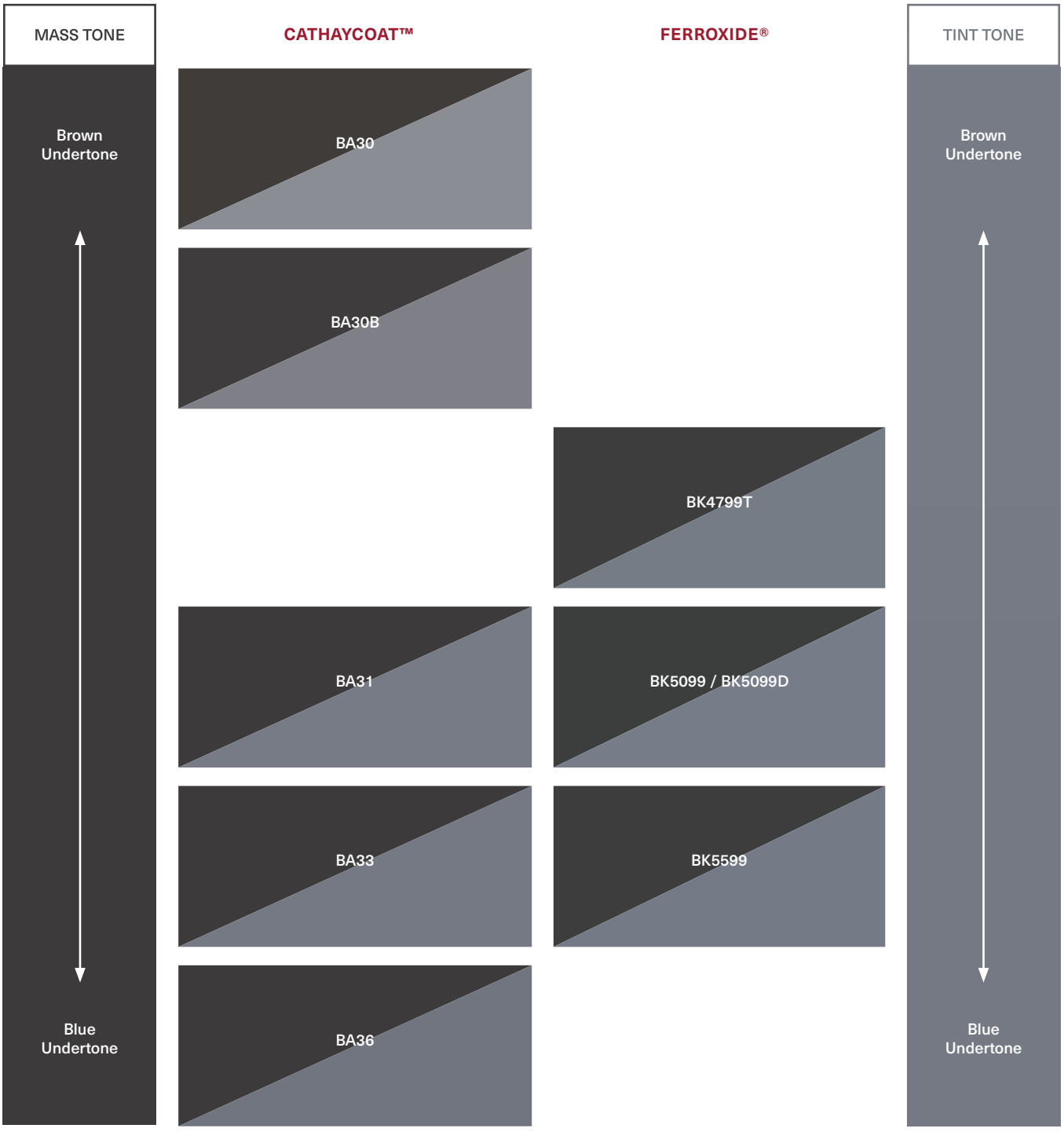
MICRONIZED BLACKS

Colors Represent Mass Tone and Tint Tone (Reduction with TiO_2 1:3)



Contact us today to learn more about our offerings.

Test Method		CATHAYCOAT™	FERROXIDE®
	Product Code	BA30, BA30B, BA31, BA33, BA36	BK4799T, BK5099 / BK5099D, BK5599
BS1014	Purity, % (as Fe2O3)	95+	96+
ISO 787-5	Oil Absorption (g/100g)	15 - 25	15 - 25
ISO 787-10	Density (g/cm^3)	5.0	5.0
ISO 787-7	Sieve Residue on 325 mesh (%)	≤ 0.01	≤ 0.1
ISO 787-3	Water Soluble Salts (%)	≤ 0.3	≤ 0.3
ISO 787-9	pH	5 - 8	6.5 - 10
ISO 787-2	Moisture (%)	≤ 1	≤ 1
ASTM D1210	Hegman	6.0+	2.0 - 6.0+
d50 from PSD	Avg. Particle Size (microns)	0.2 - 0.3	0.2 - 0.3
Electron Micrograph	Particle Shape	Cubic	Cubic
ISO 7724-2	dE	1.0 max	1.0 max
ISO 8781-1	Tinting Strength (%)	95 - 105	95 - 105

IMPORTANT COLOR ACCURACY NOTE
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oxerra.com

Color that's meant to last.

OXERRA is internationally recognized as a superior manufacturer of iron oxide and other pigments for the coatings, plastics, specialties and construction industries. Our drive to produce high-quality, unquestionably pure pigments combined with our iron-clad customer service makes us the obvious choice.

Scan for Detailed Contact Information

An Unmatched Global Manufacturing Network Across Six Countries on Five Continents

1.855.422.8429 oxerra.com

10.19.2023