




PIGMENTS FOR  
HIGH-TEMPERATURE  
APPLICATIONS



Empower Color Globally



**OXERRA has a broad range of chemistries for high-temperature and high-durability applications.**

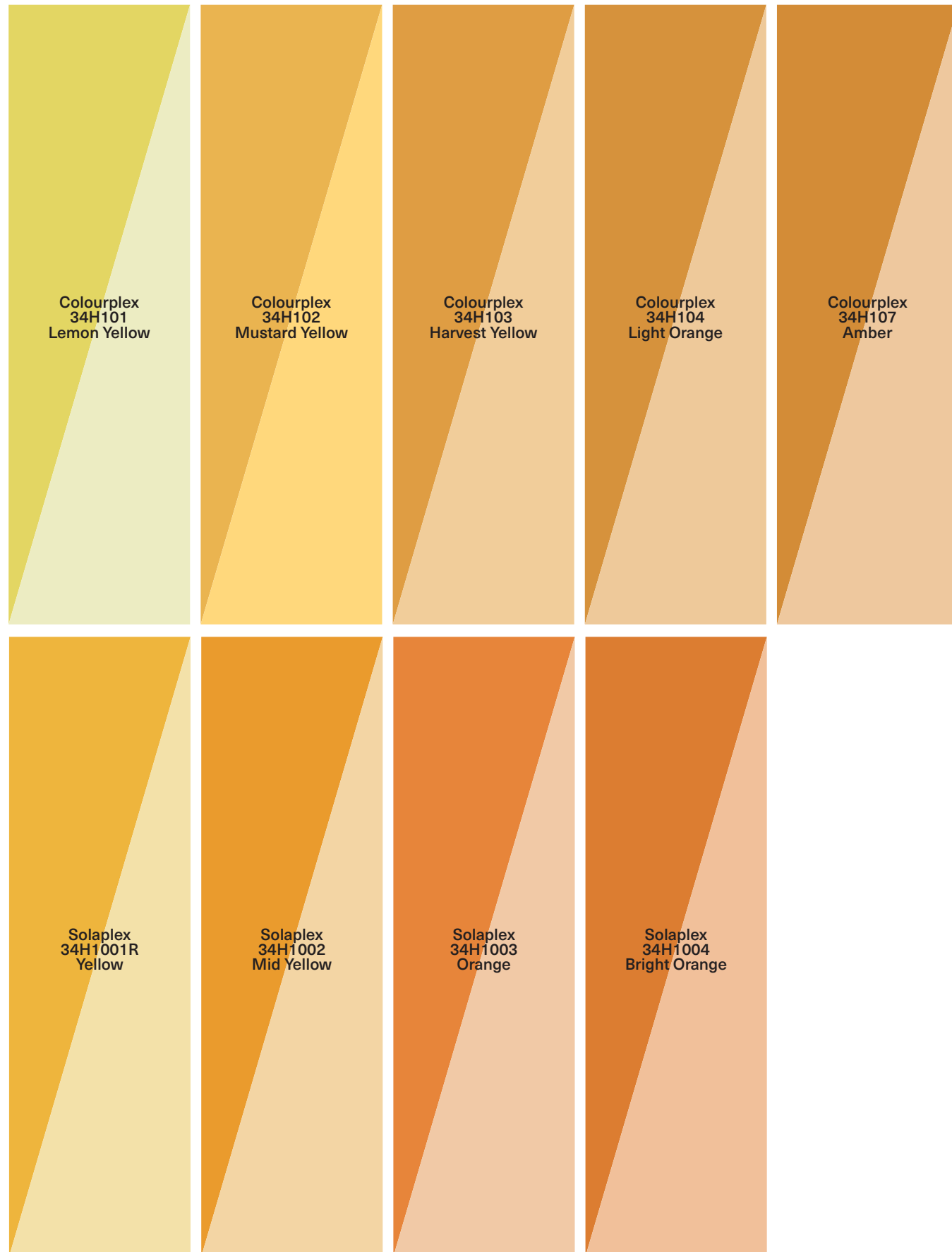
These inorganic pigments can be dispersed in a wide range of resins and polymers and are free of heavy metals. Modern chemistries allow these solid shades to withstand challenging end-use applications and are ideal for durable goods. Our high-temperature products are excellent choices for shading to create off-whites due to their inherent stability at low loadings. The range features Solaplex®

pigments that include shades from intense yellows to a high-chroma orange. Colourplex® products include both spinel and rutile chemistries in a wide range of colors. For the tan and red color spaces, we offer the historical MAPICO®, Ferroxide® and CathayTherm™ products to complete your color palette.

Complete details on other pigment offerings can be found at [oxerra.com](https://www.oxerra.com).

## HIGH-TEMPERATURE YELLOW

Colors Represent Mass Tone and Tint Tone (Reduction with TiO<sub>2</sub> 1:3)



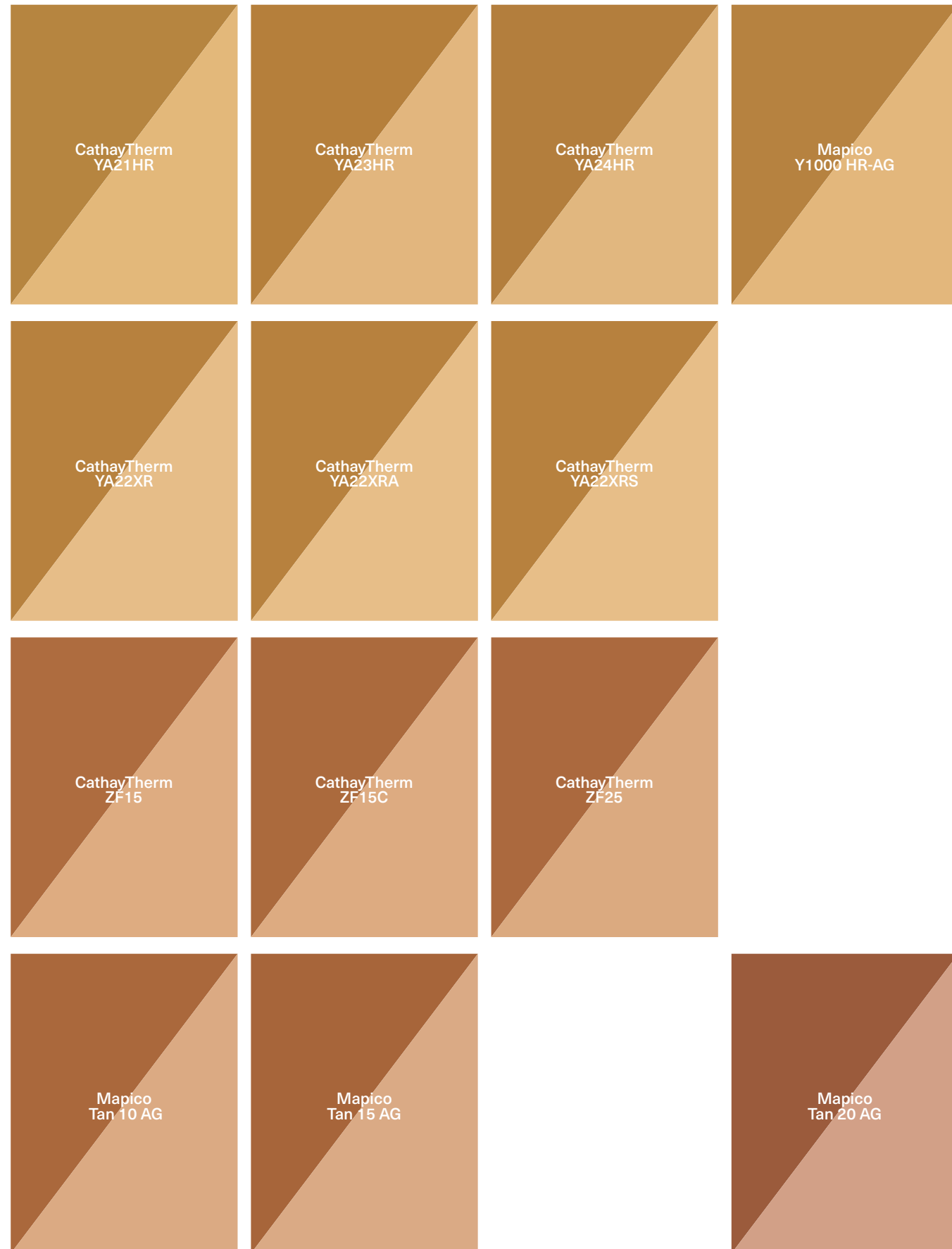
Product Code	Pigment Index	Chemical Composition	Heat Stability C	Crystal Structure	Oil Absorption (g/100g)	Density (g/cm <sup>3</sup> )	pH	Laser Diffraction Particle Size D50 (Microns)
Test Method					ISO 787-5	ISO 787-10	ISO 787-9	
<b>HIGH-TEMPERATURE YELLOW</b>								
Colourplex 34H101 Lemon Yellow	P Y 53	(NiSbTi)O <sub>2</sub>	>800	Rutile	12.1	4.5	7.0	0.8
Colourplex 34H102 Mustard Yellow	P Br 24	(CrSbTi)O <sub>2</sub>	>800	Rutile	19.8	4.4	6.8	0.5
Colourplex 34H103 Harvest Yellow	P Br 24	(CrSbTi)O <sub>2</sub>	>800	Rutile	16.2	4.2	6.7	0.5
Colourplex 34H104 Light Orange	P Br 24	(CrSbTi)O <sub>2</sub>	>800	Rutile	13.6	4.5	7.0	0.6
Colourplex 34H107 Amber	P Br 24	(CrSbTi)O <sub>2</sub>	>800	Rutile	22.0	4.5	7.0	1
Solaplex 34H1001R Yellow	P Y 216	(SnZnTi)O <sub>2</sub>	>300	Rutile	19.5	4.7	8.0	2.1
Solaplex 34H1002 Mid Yellow	P Y 216	(SnZnTi)O <sub>2</sub>	>300	Rutile	20.2	4.8	9.6	2.9
Solaplex 34H1003 Orange	P Y 216	(SnZnTi)O <sub>2</sub>	>300	Rutile	17.5	4.9	7.0	2.5
Solaplex 34H1004 Bright Orange	P Y 216	(SnZnTi)O <sub>2</sub>	>300	Rutile	18.0	4.9	10.5	2.3

**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-TEMPERATURE YELLOW IRON OXIDE & FERRITES

Colors Represent Mass Tone and Tint Tone (Reduction with TiO<sub>2</sub> 1:3)



Product Code	Pigment Index	Chemical Composition	Heat Stability C	Crystal Structure	Oil Absorption (g/100g)	Density (g/cm <sup>3</sup> )	pH	Laser Diffraction Particle Size D50 (Microns)
Test Method					ISO 787-5	ISO 787-10	ISO 787-9	
<b>HIGH-TEMPERATURE YELLOW IRON OXIDE &amp; FERRITES</b>								
YA21HR	P Y 42	FeOOH	>230	Hematite	28 - 40	4.0	5 - 8	0.57
YA23HR	P Y 42	FeOOH	>230	Hematite	28 - 40	4.0	5 - 8	0.57
YA24HR	P Y 42	FeOOH	>230	Hematite	28 - 40	4.0	5 - 8	0.57
Mapico Y1000 HR-AG	P Y 42	FeOOH	>245	Hematite	42 - 50	4.1	4.5 - 7.5	0.57
CathayTherm YA22XR	P Y 42	FeOOH	>260	Hematite	44 - 55	4.0	5 - 8	0.28
CathayTherm YA22XA	P Y 42	FeOOH	>260	Hematite	55 - 65	3.3	7 - 8	0.28
CathayTherm YA22XRS	P Y 42	FeOOH	>260	Hematite	35 - 45	4.0	5 - 8	0.36
CathayTherm ZF15	P Y 119	ZnFe <sub>2</sub> O <sub>4</sub>	>300	Spinel	15 - 25	4.9	5 - 8	0.51
CathayTherm ZF15C	P Y 119	ZnFe <sub>2</sub> O <sub>4</sub>	>300	Spinel	35 - 45	4.0	4 - 8	1.39
CathayTherm ZF25	P Y 119	ZnFe <sub>2</sub> O <sub>4</sub>	>300	Spinel	15-25	4.9	5 - 8	0.55
Mapico Tan 10 AG	P Y 119	ZnFe <sub>2</sub> O <sub>4</sub>	>300	Spinel	24 - 32	5.3	4.5 - 7	0.51
Mapico Tan 15 AG	P Y 119	ZnFe <sub>2</sub> O <sub>4</sub>	>300	Spinel	24 - 32	5.3	4.5 - 7	0.53
Mapico Tan 20 AG	P Br 11	MgFe <sub>2</sub> O <sub>4</sub>	>300	Spinel	35 - 45	4.5	7.0 - 10.5	0.80

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## HIGH-TEMPERATURE REDS, GREENS & BLUES

Colors Represent Mass Tone and Tint Tone (Reduction with TiO<sub>2</sub> 1:3)



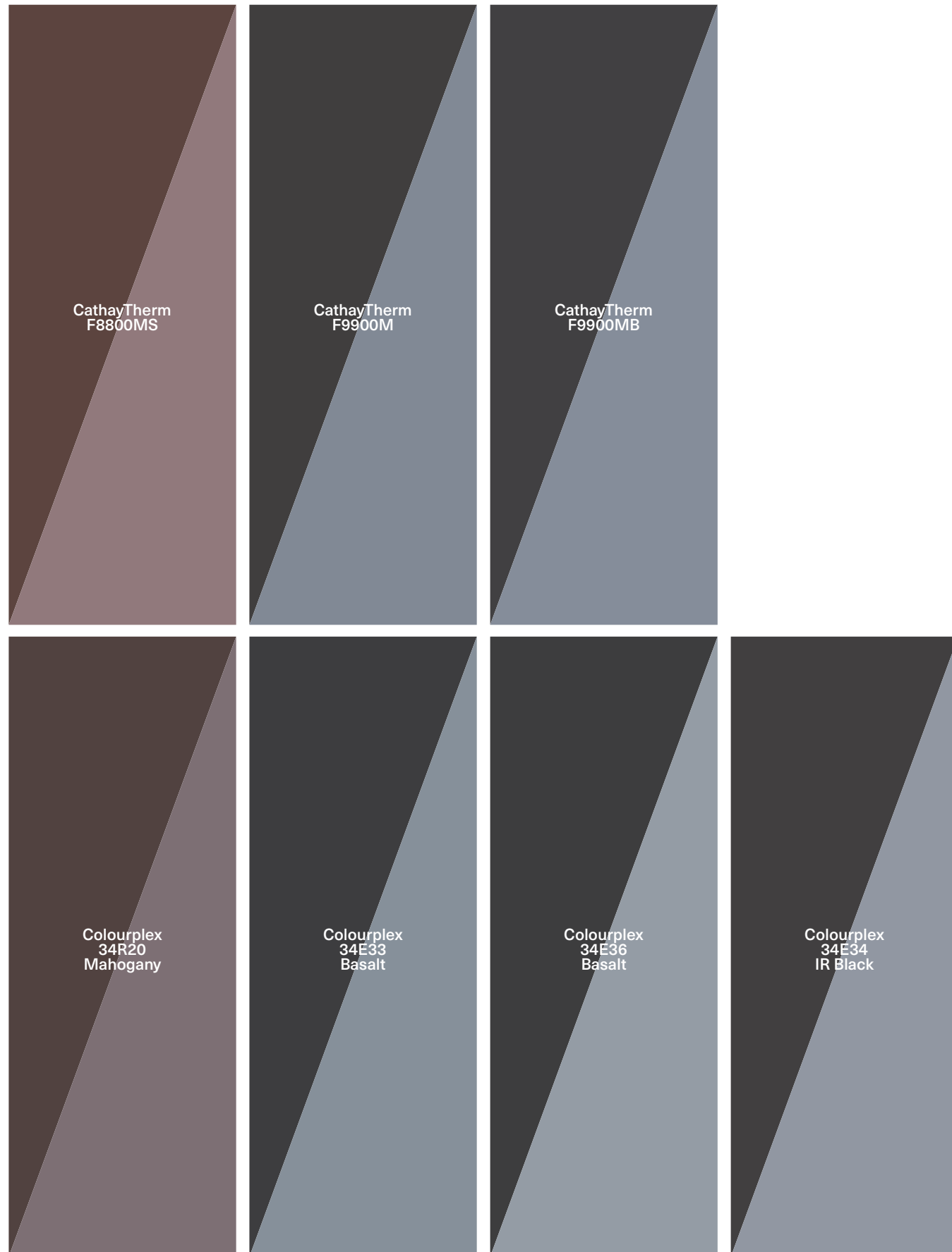
Product Code	Pigment Index	Chemical Composition	Heat Stability C	Crystal Structure	Oil Absorption (g/100g)	Density (g/cm <sup>3</sup> )	pH	Laser Diffraction Particle Size D50 (Microns)
Test Method					ISO 787-5	ISO 787-10	ISO 787-9	
<b>HIGH-TEMPERATURE REDS, GREENS &amp; BLUES</b>								
CathayTherm RA12HR	PR 101	Fe <sub>2</sub> O <sub>3</sub>	>300	Hematite	15-25	4.8	5-8	0.37
CathayTherm RA14HR	PR 101	Fe <sub>2</sub> O <sub>3</sub>	>300	Hematite	15-25	4.6	5-8	0.54
CathayTherm RA15HR	PR 101	Fe <sub>2</sub> O <sub>3</sub>	>300	Hematite	15-25	4.6	5-8	0.54
CathayTherm RA18HR	PR 101	Fe <sub>2</sub> O <sub>3</sub>	>300	Hematite	15-25	4.6	5-8	0.8
CathayTherm GA74	PG 17	Cr <sub>2</sub> O <sub>3</sub>	>800	Hematite	< 25	5.1	5-8	0.96
CathayTherm GA74M	PG 17	Cr <sub>2</sub> O <sub>3</sub>	>800	Hematite	< 25	5.0	5-8	0.66
CathayTherm GA76	PG 17	Cr <sub>2</sub> O <sub>3</sub>	>800	Hematite	< 25	5.1	5-8	1.23
CathayTherm GA76M	PG 17	Cr <sub>2</sub> O <sub>3</sub>	>800	Hematite	< 25	5.0	5-8	0.91
Colourplex 34K6 Dark Green	P Gr 26	CoCr <sub>2</sub> O <sub>4</sub>	>800	Spinel	14.0	5.1	7.9	1.3
Colourplex 34L2000 Azuri Blue	P BI 28	CoAl <sub>2</sub> O <sub>4</sub>	>800	Spinel	28.5	4.3	9.8	1.0
Colourplex 34L39 Royal Blue	P BI 28	CoAl <sub>2</sub> O <sub>4</sub>	>800	Spinel	27.5	4.4	9.7	1.1
Colourplex 34L84 Atlantic Blue	P BI 36	Co(CrAl) <sub>2</sub> O <sub>4</sub>	>800	Spinel	21.0	4.5	8.2	1.0
Colourplex 34L2001 Amazon Blue	P BI 36	Co(CrAl) <sub>2</sub> O <sub>4</sub>	>800	Spinel	23.0	4.9	7.4	1.0
Colourplex 34K28 Aquamarine	P BI 36	Co(CrAl) <sub>2</sub> O <sub>4</sub>	>800	Spinel	20.0	4.8	7.3	0.9

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## HIGH-TEMPERATURE BROWNS & BLACKS

Colors Represent Mass Tone and Tint Tone (Reduction with TiO<sub>2</sub> 1:3)



Product Code	Pigment Index	Chemical Composition	Heat Stability C	Crystal Structure	Oil Absorption (g/100g)	Density (g/cm <sup>3</sup> )	pH	Laser Diffraction Particle Size D50 (Microns)
Test Method					ISO 787-5	ISO 787-10	ISO 787-9	
<b>HIGH-TEMPERATURE BROWNS &amp; BLACKS</b>								
CathayTherm F8800MS	P Br 43	(Fe,Mn) <sub>2</sub> O <sub>3</sub>	>800	Hematite	28.0	4.5	5.5 - 8.5	1.01
CathayTherm F9900M	P Bk 33	(Fe,Mn) <sub>2</sub> O <sub>3</sub>	>500	Hematite	15-25	5.0	6 - 10	1.01
CathayTherm F9900MB	P Bk 33	(Fe,Mn) <sub>2</sub> O <sub>3</sub>	>500	Hematite	15-25	4.6	7 - 10	1.12
Colourplex 34R20 Mahogany	P Br 29	(Fe,Cr) <sub>2</sub> O <sub>3</sub>	>800	Hematite	28.0	5.2	6.4	2.6
Colourplex 34E33 Basalt	P Bk 28	CuCr <sub>2</sub> O <sub>4</sub>	>800	Spinel	18.0	5.1	5.6	1.0
Colourplex 34E36 Basalt	P Bk 28	CuCr <sub>2</sub> O <sub>4</sub>	>800	Spinel	11.0	5.5	6.5 - 8.0	1.5
Colourplex 34E34 IR Black	P Br 29	(Fe,Cr) <sub>2</sub> O <sub>3</sub>	>800	Hematite	16.0	5.2	6.5	0.9

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## 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.



**An Unmatched Global Manufacturing Network  
Across Eight Countries on Four Continents.**

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