




PIGMENTS FOR
HIGH-TEMPERATURE
APPLICATIONS

EUROPE 2025



Empower Color Globally



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

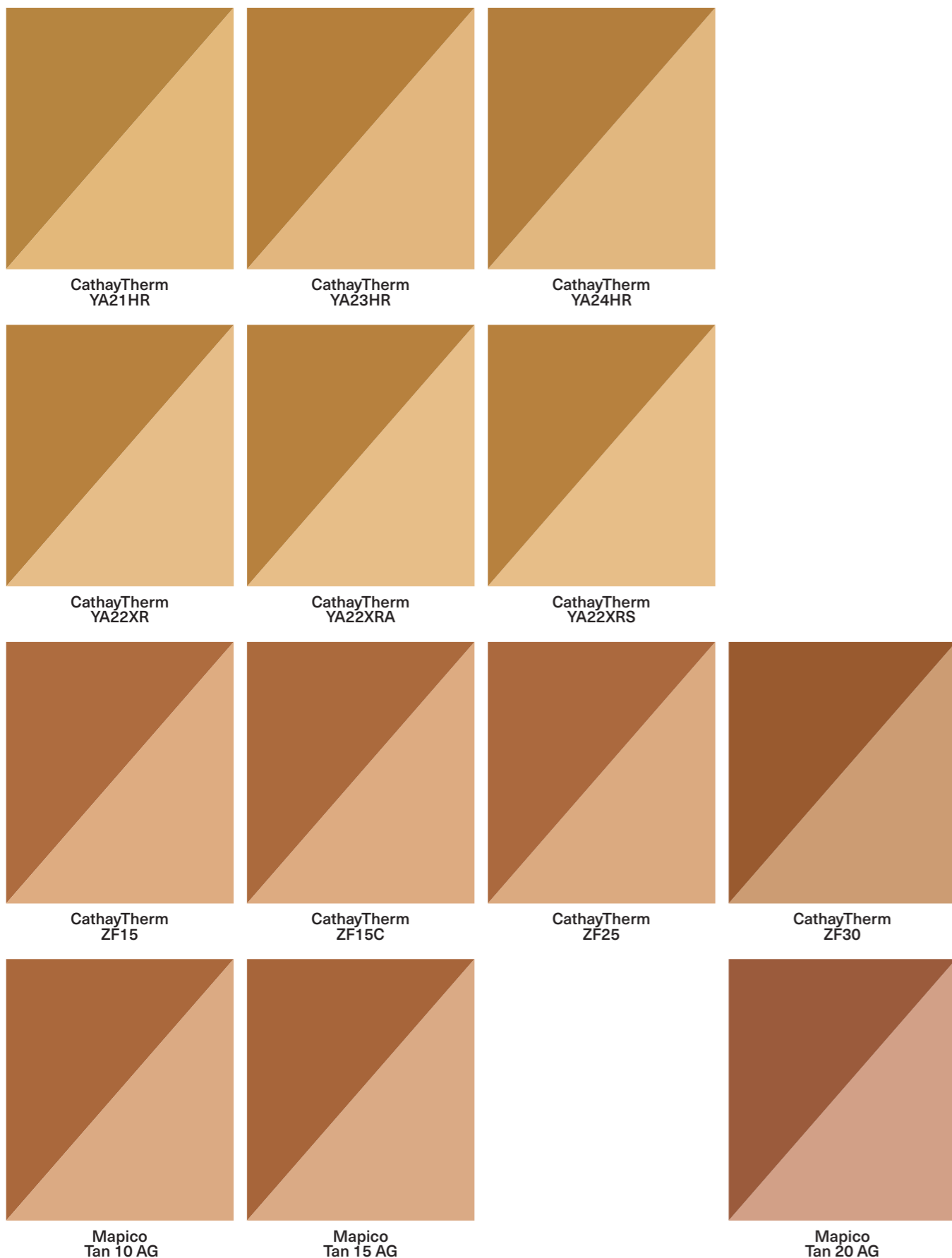
These inorganic pigments can be dispersed in a wide range of resins and polymers and are free of heavy metals. Modern chemistries allow these solid shades to withstand challenging end-use applications and are ideal for durable goods. Our high-temperature products are excellent choices

for shading to create off-whites due to their inherent stability at low loadings. For the tan and red color spaces, we offer the historical MAPICO®, Ferroside® and CathayTherm™ products to complete your color palette.

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

HIGH-TEMPERATURE YELLOW IRON OXIDE & FERRITES

Colors Represent Mass Tone and Tint Tone (Reduction with TiO₂ 1:3)



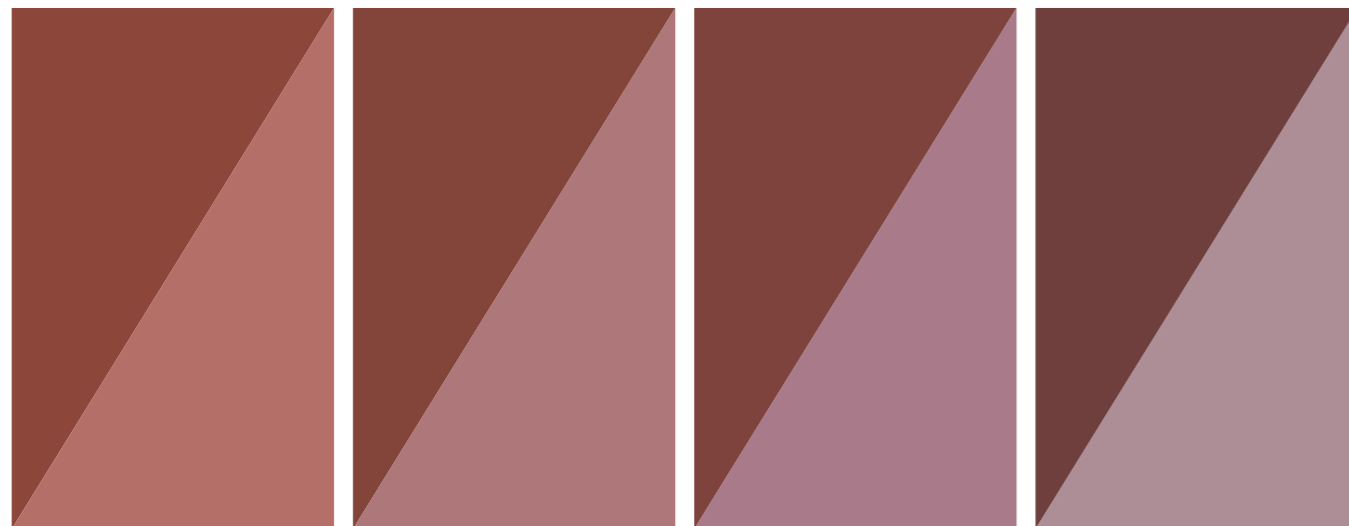
Product Code	Pigment Index	Chemical Composition	Heat Stability C	Crystal Structure	Oil Absorption (g/100g)	Density (g/cm ³)	pH	Laser Diffraction Particle Size D50 (Microns)
Test Method					ISO 787-5	ISO 787-10	ISO 787-9	
HIGH-TEMPERATURE YELLOW IRON OXIDE & FERRITES								
YA21HR	P Y 42	FeOOH	>230	Hematite	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
CathayTherm YA22XR	P Y 42	FeOOH	>260	Hematite	44 - 55	4.0	5 - 8	0.28
CathayTherm YA22XRA	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 ₂ O ₄	>300	Spinel	15 - 25	4.9	5 - 8	0.51
CathayTherm ZF15C	P Y 119	ZnFe ₂ O ₄	>300	Spinel	35 - 45	4.0	4 - 8	1.39
CathayTherm ZF25	P Y 119	ZnFe ₂ O ₄	>300	Spinel	15-25	4.9	5 - 8	0.55
CathayTherm ZF30	P Y 119	ZnFe ₂ O ₄	>300	Spinel	6 - 10	4.8 - 4.9	4 - 7	
Mapico Tan 10 AG	P Y 119	ZnFe ₂ O ₄	>300	Spinel	24 - 32	5.3	4.5 - 7	0.51
Mapico Tan 15 AG	P Y 119	ZnFe ₂ O ₄	>300	Spinel	24 - 32	5.3	4.5 - 7	0.53
Mapico Tan 20 AG	P Br 11	MgFe ₂ O ₄	>300	Spinel	35 - 45	4.5	7.0 - 10.5	0.80

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 REDS, GREENS, BROWNS & BLACKS

Colors Represent Mass Tone and Tint Tone (Reduction with TiO₂ 1:3)



CathayTherm
RA12HR

CathayTherm
RA14HR

CathayTherm
RA15HR

CathayRed
RA18YDA

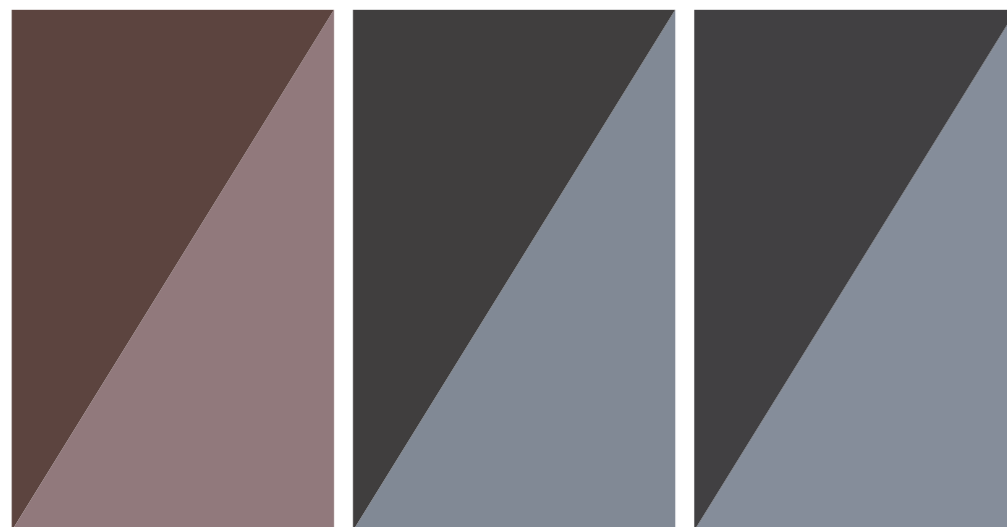


CathayTherm
GA74

CathayTherm
GA74M

CathayTherm
GA76

CathayTherm
GA76M



CathayTherm
F8800M

CathayTherm
F9900M

CathayTherm
F9900MB

Product Code	Pigment Index	Chemical Composition	Heat Stability C	Crystal Structure	Oil Absorption (g/100g)	Density (g/cm ³)	pH	Laser Diffraction Particle Size D50 (Microns)
Test Method					ISO 787-5	ISO 787-10	ISO 787-9	
HIGH-TEMPERATURE REDS, GREENS, BROWNS & BLACKS								
CathayTherm RA12HR	P R 101	Fe ₂ O ₃	>300	Hematite	15-25	4.8	5-8	0.37
CathayTherm RA14HR	P R 101	Fe ₂ O ₃	>300	Hematite	15-25	4.6	5-8	0.54
CathayTherm RA15HR	P R 101	Fe ₂ O ₃	>300	Hematite	15-25	4.6	5-8	0.54
CathayRed RA18YDA	P R 101	Fe ₂ O ₃	>300	Hematite	10-20	5.0	4-8	0.25
CathayTherm GA74	PG 17	Cr ₂ O ₃	>800	Hematite	< 25	5.1	5-8	0.96
CathayTherm GA74M	PG 17	Cr ₂ O ₃	>800	Hematite	< 25	5.0	5-8	0.66
CathayTherm GA76	PG 17	Cr ₂ O ₃	>800	Hematite	< 25	5.1	5-8	1.23
CathayTherm GA76M	PG 17	Cr ₂ O ₃	>800	Hematite	< 25	5.0	5-8	0.91
CathayTherm F8800M	P Br 43	(Fe,Mn) ₂ O ₃	>800	Hematite	28.0	4.5	5.5 - 8.5	1.01
CathayTherm F9900M	P Bk 33	(Fe,Mn) ₂ O ₃	>500	Hematite	15-25	5.0	6 - 10	1.01
CathayTherm F9900MB	P Bk 33	(Fe,Mn) ₂ O ₃	>500	Hematite	15-25	4.6	7 - 10	1.12

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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

oxerra.com