

Elite Iron Oxides

For paint and construction applications

www.univarcolour.com





An Introduction to Elite Iron Oxides

Univar Colour was originally established in 1955 as DF Anstead, and since 2003 has been part of Univar, the world's leading chemical distributor.

Iron Oxides have been a key part of the Univar Colour product portfolio for a number of decades in specific end markets, and we are delighted to extend this in to paint & construction.

Widely recognised as a primary choice for a broad range of coating & construction applications, iron oxides deliver corrosion resistance & weather fastness, amongst many other benefits & properties.

This colour chart illustrates the standard products in the portfolio, but we also have a more extensive range available, to meet your bespoke needs, taking account of your particular formulation and processing requirements.

Coatings & Construction Colour Chart

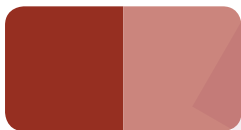
Red Iron Oxides



U05



U10



U30



U40



U60

Yellow Iron Oxides



U910



U920



U906



Black Iron Oxide



U037

Brown Iron Oxide Blends



U600



U610



U640



U660



U686

Micronised Iron Oxides



UMS91



UMS92



UM92



UMS11



UMS13



UMS18

Chrome Oxide Green



UGM3

Cobalt Blue



UB22

Cobalt Green



UG02

Each colour is displayed in full shade and in reduction (1:5 TiO₂)

The colour chart is for indicative purposes only and is not an exact colour reference.

Product Description	Composition	Colour Index	Colour Index	% Fe ₂ O ₃	Density	Apparent Density	Particle Shape	Volatile Matter at 105°C	Sieve Residue on 45 µm	Oil Absorption	pH	Water Soluble Matter	Heat Fastness	Predominant Particle Size
Iron Oxides														
Elite Red Iron Oxide U05	Fe ₂ O ₃	PR 101	77491	96	5	0.9 - 1.1	Spherical	1	0.3	15-25	3-7	0.3	800	0.08
Elite Red Iron Oxide U10	Fe ₂ O ₃	PR 101	77491	96	5	0.9 - 1.1	Spherical	1	0.3	15-25	3-7	0.3	800	0.1
Elite Red Iron Oxide U30	Fe ₂ O ₃	PR 101	77491	96	5	0.9 - 1.1	Spherical	1	0.3	15-25	3-7	0.3	800	0.16
Elite Red Iron Oxide U40	Fe ₂ O ₃	PR 101	77491	96	5	0.9 - 1.3	Spherical	1	0.3	15-25	3-7	0.3	800	0.3
Elite Red Iron Oxide U60	Fe ₂ O ₃	PR 101	77491	96	5	1 - 1.4	Spherical	1	0.3	15-22	3-7	0.3	800	0.4
Elite Red Iron Oxide U80	Fe ₂ O ₃	PR 101	77491	96	5.1	1.3 - 1.7	Spherical	1	0.3	14-20	3-7	0.3	800	0.6
Elite Red Iron Oxide UMS11	Fe ₂ O ₃	PR 101	77491	96	5	0.9 - 1.1	Spherical	1	0.008	15-25	4.5 - 7	0.6	800	0.1
Elite Red Iron Oxide UMI3	Fe ₂ O ₃	PR 101	77491	96	5	0.9 - 1.1	Spherical	1	0.1	15-25	4-7	0.3	800	0.17
Elite Red Iron Oxide UMS13	Fe ₂ O ₃	PR 101	77491	96	5	0.9 - 1.1	Spherical	1	0.008	15-25	4.5-7	0.6	800	0.17
Elite Yellow Iron Oxide U960	FeO(OH)	PY 42	77492	86	4.1	0.3 - 0.5	Needle Shaped	1	0.3	25-35	3-7	0.3	180	0.1 x 0.5
Elite Yellow Iron Oxide U910	FeO(OH)	PY 42	77492	86	4.1	0.3 - 0.5	Needle Shaped	1	0.3	25-35	3-7	0.3	180	0.1 x 0.6
Elite Yellow Iron Oxide U920	FeO(OH)	PY 42	77492	86	4.1	0.3 - 0.5	Needle Shaped	1	0.3	25-35	3-7	0.3	180	0.1 x 0.6
Elite Yellow Iron Oxide U920	FeO(OH)	PY 42	77492	86	4.1	0.7 - 0.9	Needle Shaped	1	0.3	25-35	3-7	0.3	180	0.1 x 0.6
Elite Yellow Iron Oxide UM91	FeO(OH)	PY 41	77492	86	4.1	0.3 - 0.5	Needle Shaped	1	0.1	25-35	3-7	0.3	180	0.1 x 0.5
Elite Yellow Iron Oxide UMS91	FeO(OH)	PY 42	77492	86	4.1	0.3 - 0.5	Needle Shaped	1	0.008	25-35	4.5-7	0.5	180	0.1 x 0.5
Elite Yellow Iron Oxide UMS92	FeO(OH)	PY 42	77492	86	4.1	0.3 - 0.5	Needle Shaped	1	0.01	25-35	4.5-7	0.5	180	0.1 x 0.6
Elite Yellow Iron Oxide UM92	FeO(OH)	PY 42	77492	86	4.1	0.75 - 0.95	Needle Shaped	1	0.1	25-35	3.5-7	0.3	180	0.1 x 0.6
Elite Orange Iron Oxide U906	FeO(OH) + Fe ₂ O ₃	PY 42 / PR 101	77492 / 77491	88	4.3	0.4 - 0.6	Predominantly Needle Shaped	1	0.3	20-30	3-7	0.3	180	0.1 x 0.6
Elite Brown Iron Oxide U600	FeO(OH) + Fe ₂ O ₃ + Fe ₃ O ₄	PY 42 + PR 101 + PBk 11	77492 + 77491 + 77499	89	4.3	0.7 - 1.1	Predominantly Needle Shaped	1	0.35	25-35	4-7.5	0.32	180	0.1 x 0.6
Elite Brown Iron Oxide U610	FeO(OH) + Fe ₂ O ₃ + Fe ₃ O ₄	PY 42 + PR 101 + PBk 11	77492 + 77491 + 77499	90	4.4	0.7 - 1.1	Predominantly Needle Shaped	1	0.35	20-30	4-7.5	0.3	180	0.1 x 0.6
Elite Brown Iron Oxide U640	Fe ₂ O ₃ + Fe ₃ O ₄	PR 101 + PBk 11	77491 + 77499	95	4.8	0.8 - 1.2	Predominantly Spherical	1	0.33	15-25	4-8	0.35	180	0.15
Elite Brown Iron Oxide U660	Fe ₂ O ₃ + Fe ₃ O ₄	PR 101 + PBk 11	77491 + 77499	95	4.8	0.8 - 1.2	Predominantly Spherical	1	0.3	15-25	4-8	0.4	180	0.15
Elite Brown Iron Oxide U686	Fe ₂ O ₃ + Fe ₃ O ₄	PR 101 + PBk 11	77491 + 77499	95	4.9	0.8 - 1.2	Predominantly Spherical	1	0.3	15-25	4-8	0.35	180	0.4
Elite Brown Iron Oxide UT645	(Fe, Mn)ZO ₃ + Fe ₂ O ₃	PBk 33 + PR 101	77537 + 77491	85	4.8	0.9 - 1.1	Spherical	1	0.2	15-25	4-8	0.6	800	0.3
Elite Black Iron Oxide U030	Fe ₃ O ₄	PBk 11	77499	95	4.6	0.8 - 1	Spherical	1.5	0.5	15-25	5-8	0.5	180	0.12
Elite Black Iron Oxide U037	Fe ₃ O ₄	PBk 11	77499	93	4.6	0.8 - 1	Spherical	1	0.4	15-25	5-8	0.5	180	0.15
Elite Black Iron Oxide UMI8	Fe ₃ O ₄	PBk 11	77499	95	4.6	0.8 - 1	Spherical	1.5	0.4	15-25	5-8	0.5	180	0.15
Elite Black Iron Oxide UMS18	Fe ₃ O ₄	PBk 11	77499	95	4.6	0.9 - 1.1	Spherical	1	0.01	15-25	5-8	0.5	180	0.15

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Chrome Oxide Green														
Elite Chrome Oxide Green UG3	Cr ₂ O ₃	PG 17	77288	Cr ₂ O ₃ / 98,5	5.2	0.9 - 1.1	Spherical	0.12	0.25	18-25	5-8	0.3	800	0.32
Elite Chrome Oxide Green UGM3	Cr ₂ O ₃	PG 17	77288	Cr ₂ O ₃ / 98	5.1	0.9 - 1.1	Spherical	0.2	0.1	15-25	5-8	0.3	800	0.32
Cobalt Green														
Elite Cobalt Green UG02	(Co, Ni, Zn) (Ti Al) ₂ O ₄	PG 50	77377	---	4.9	0.8 - 1	Cubic	0.1	0.1	15-20	7-8	0.3	800	0.4
Cobalt Blue														
Elite Cobalt Blue UB22	Co(Al,Cr) ₂ O ₄	PB 36	77343	---	4.3	0.8 - 1	Prismatic	0.1	0.1	20-25	7-10	0.5	800	0.2
Elite Cobalt Blue UB33	CoAl ₂ O ₄	PB 28	77346	---	4	0.7 - 0.8	Prismatic	0.1	0.1	30-35	8-10	0.5	800	0.1

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