QUALITY COLORS.

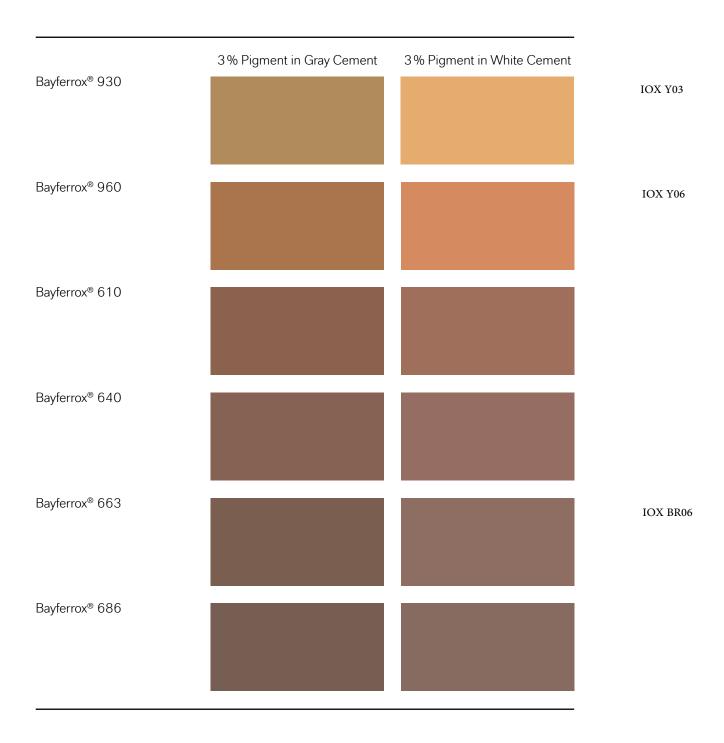




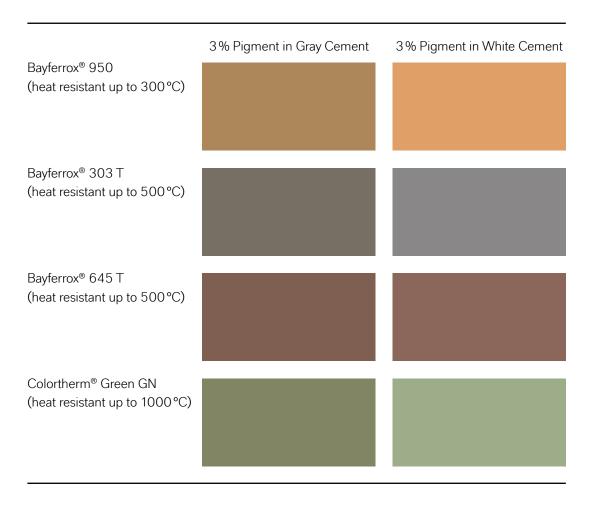
	3% Pigment in Gray Cement	3% Pigment in White Cement	
Bayferrox® 110			IOX R01
Bayferrox® 120			IOX R02
Bayferrox® 130			IOX R03
Bayferrox® 140			IOX R04
Bayferrox [®] 160			IOX R06
Bayferrox® 180			IOX R08
Bayferrox® 222			
Bayferrox® 225			







HEAT RESISTANT SPECIAL PIGMENTS



X-ray fluorescence

²⁾ The water absorption indicates the amount of water bound by 100 g of pigment. It is determined by the same method as the oil absorption (DIN ISO 787/5). The linseed oil being merely replaced by water. Given values are guide figures only.

Solar Reflectance Index (SRI) is the value that incorporates both Solar Reflectance and Thermal Emittance in a single value to represent a material's temperature as a result of solar radiation. SRI quantifies how hot a surface could get relative to standard black and standard white surfaces. All SRI values listed in this publication were determined from samples made using a medium gray Portland cement. The final color and Solar Reflectance Index (SRI) value of pigmented concrete may not match that which is shown on this card. Changes in the base color alone – which can result from variations in cement, fillers, aggregates, water content, admixtures, release agents etc. – can have a distinct effect on the final color and SRI value. Therefore, the SRI values listed in this brochure are only indicative. LANXESS strongly recommends testing with your raw materials and mix designs under conditions that are specific to your production method.

Heat stable pigments, suitable for sand granules (1000 °C) and autoclaved building materials (e.g. sand lime bricks) etc.

⁵⁾ Bayferrox® Yellow pigments are also suitable for autoclaved building materials e.g. sand lime bricks.

TECHNICAL DATA





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Grade	Compact pigment	Granules	Water-soluble contents IN EN ISO 787/3: 2000 [max. %]	Sieve residue on 45-µm mesh DIN EN ISO 787-7: 2009 [max. %]	Iron oxide content ^{:)} (approx. values)	Predominant particle size [μm]	Oil absorption ²⁾ (approx.) DIN EN ISO 787-5: 1995 [g/100 g]	Tamped apparent density DIN EN ISO 787/11: 1995 [g/cm³]	Density (approx.) DIN EN ISO 787/10: 1995 [max. g/cm³]	Solar reflectance index (SRI) ³³ (approx.)
	Red ⁴⁾ C.I. Pi	gment Red 10)1 (77491)							
110	110 C	110 G	0.5	0.06	97.1% (Fe ₂ O ₃)	0.09	28	0.7 – 1.1	5.0	31-34
120		120 NG	0.5	0.06	97.1% (Fe ₂ O ₃)	0.12	28	0.7 – 1.1	5.0	31-34
130	130 C	130 G	0.4	0.06	97.2% (Fe ₂ O ₃)	0.17	26	0.7 – 1.1	5.0	31-34
140			0.4	0.06	97.2% (Fe ₂ O ₃)	0.3	26	0.9-1.3	5.0	31-34
160			0.4	0.06	97.2 % (Fe ₂ O ₃)	0.4	25	1.0-1.4	5.0	31-34
180		180 G	0.3	0.06	97.3% (Fe ₂ O ₃)	0.7	24	1.3-1.7	5.0	31-34
222			0.5	0.1	99.1% (Fe ₂ O ₃)	0.2	15	1.4-1.8	5.0	30-33
225			0.5	0.1	99.1% (Fe ₂ O ₃)	0.2	18	1.4-1.8	5.0	30-33
Bayferrox®	Black C.I. P	igment Black 1	11 (77499)							
306			0.5	0.05	97.0% (Fe ₃ O ₄)	0.5	24	1.0-1.4	4.6	11-12
318		318 G	1.0	0.1	96.5% (Fe ₃ O ₄)	0.2	21	0.8-1.2	4.6	10-11
330	330 C	330 G	1.75	0.1	95.8% (Fe ₃ O ₄)	0.15	21	0.8-1.2	4.6	8-9
340		340 G	1.75	0.1	95.8% (Fe ₃ O ₄)	0.15	21	0.8-1.2	4.6	8-9
360			0.5	0.1	99.5% (Fe ₃ O ₄)	0.3	15	1.2-1.6	4.6	7-8
Bayferrox®	Yellow ⁵⁾ C.I	l. Pigment Yello	ow 42 (7749)	2)						
420			0.5	0.05	99.2% (FeOOH)	0.1 x 0.7	43	0.4-0.8	4.0	35-38
910			0.5	0.04	99.4% (FeOOH)	0.1 x 0.6	52	0.3-0.7	4.0	36 –39
920	920 C	920 G	0.5	0.04	99.4% (FeOOH)	0.1 x 0.6	60	0.2-0.6	4.0	36-39
930			0.5	0.04	99.4% (FeOOH)	0.2 x 0.8	65	0.4-0.8	4.0	36-39
Combinatio	on of: C.I. Pig	gment Yellow 4	12 (77492) a	nd C.I. Pigme	ent Red 101 (77491)					
960	965 C	960 G	0.5	0.05	99.3%	0.1 x 0.6	42	0.4-0.8	4.0	33-36
Bayferrox®	Brown-Co	mbinations o	of: C.I. Pigme	nt Red 101 (77491), C.I. Pigment Ye	ellow 42 (774	92), C.I. Pigr	ment Black 1	1 (77499)	
610		610 NG	0.5	0.1	98.7%	0.1-0.2	23	0.7-1.1	4.5	19-21
640			0.5	0.1	98.0%	0.1-0.6	21	0.8-1.2	4.5	15-17
663		663 G	0.5	0.1	97.9%	0.1-0.6	23	0.8-1.2	4.8	12-13
686		686 G	1.2	0.1	96.9%	0.1-0.6	22	0.8-1.2	4.8	11-12
Heat resista	ant special	pigments ⁴⁾								
			7496). Black	33 (77537)), Brown 43 (77536)					
950		2277	0.5	0.1	98.8% (ZnFe ₂ O ₄)	0.15 x 0.5	18	0.7 – 1.1	5.2	35-38
303 T			0.7	0.005	77.2% (Fe ₃ O ₄)	0.6	16	1.1 – 1.5	4.6	22-25
645 T			0.8	0.1	90.1% (Fe ₃ O ₄)	0.3	28	0.6-1.0	4.5	24-26
Colortherm	® Green C.I	. Pigment Gree	en 17 (7728	8)						
GN	2 20 3		0.3	0.06	99.0% (Cr ₂ O ₃)	0.3	11	0.8-1.2	5.2	33 -36
					(2-3)				-	



LANXESS Deutschland GmbH Business Unit Inorganic Pigments Rheinuferstraße 7–9 47829 Krefeld, Germany www.lanxess.com www.bayferrox.com

LANXESS Corporation
Business Unit Inorganic Pigments
111 RIDC Park West Drive
Pittsburgh, PA 15275-1112, USA
www.lanxess.us
www.bayferrox.us

LANXESS Brasil Av. Maria Coelho de Aguiar, 215 Bloco B – 2° andar 05804-902 – São Paulo, Brasil www.lanxess.com.br www.bayferrox.com.br

LANXESS (Ningbo) Pigments Co., Ltd. No.1 Haixiang Road, Ningbo 315204, China www.lanxess.cn www.bayferrox.cn

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