



Technical data sheet

CHRYSO® Colours C range

Iron oxide pigments for colouring concrete

Standards

CHRYSO® Colours C range is manufactured according to EN 12878:2005, in a facility that is ISO 9001, ISO 14001 and OHSAS 18001 compliant.

Specifications

Colour values and tinting strength

Test paste based on a non-drying alkyd resin (similar to wet system DIN 55 983 (1983)

Reduction with titanium dioxide TR-92 (1:5): Test method no. 001 of 1995-04-28

ΔE value: 1.5 (maximum)

In the Barytes binder, the relative tinting strength is 95 (minimum) 105 (maximum) Test method (No. 003 of 1994-03-11)

Application Guidelines

Use

- Precast
- Ready-mix

Physical and chemical properties

Colour	Product Name	Density g/ml (DIN EN ISO787 part 10 1972)	Tapped Density g/cm ³	Fe2O3 % (DIN 55 913 Sheet 2 1972)	SiO ₂ + Al ₂ O ₃ % (DIN 55 913 sheet 2 1972)	Moisture content % (DIN EN ISO787 part 5)
Terracotta	CHRYSO®Colours C110	5.0	0.7 - 1.1	94 - 96	< 4.0	< 0.5
Red	CHRYSO®Colours C130	5.0	0.7 - 1.1	95 - 97	< 4.0	< 0.5
Jet Black	CHRYSO®Colours C3033	4.0	0.8 - 0.6	NA	< 0.5	< 0.5
Charcoal	CHRYSO®Colours C330	4.6	0.8 - 1.2	89 - 91	< 3.0	< 4.0
Sandstone	CHRYSO®Colours C600	4.3	0.4 - 0.7	87 - 89	< 1.8	< 1.0
Brown	CHRYSO®Colours C686	4.7	0.7 - 1.1	91 - 93	< 3.4	< 2.8
Tile Red	CHRYSO®Colours C503	5.0	0.7 - 1.1	94 - 98	< 3.0	< 1.5
Yellow	CHRYSO®Colours C920	4.1	0.3 - 0.5	85 - 87	< 1.0	< 0.5
Orange	CHRYSO®Colours C965	4.4	0.4 - 0.7	88 - 90	< 2.1	< 0.5
Tan	CHRYSO®Colours C960	4.3	0.4 - 0.7	87 - 89	< 1.6	< 0.5

The information contained in this document is given to the best of our knowledge and is the result of objective testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be carried out before the product is used to ensure that the methods and conditions of the use of the product are satisfactory. Our specialists remain at the disposal of the users to help with any problem they may have.

A number of factors can affect the shade, colour and consistency of pigmented concrete. Contact your local CHRYSO representative to find out more. The typical dosage can vary between 3 and 6 kg of any CHRYSO® Colours C product to 100 kg of cementitious material.

Dosage

The optimum dosage of CHRYSO® Colours C can only be established after trial tests, taking into account local conditions affecting the workability of the mix and the mechanical properties required for the concrete.

Packaging

- 20 kg bags (only for CHRYSO® Colours C920 -yellow)
- 25 kg bags (for all other colours)

Health and safety

- The CHRYSO® Colours C range is classified as harmless, please refer to the relevant material safety data sheet for further information.