

Technical Information

DF29

CerDeChromAdvanz – Ceramic Colour Management System

Seven-Colour Printing

Inglaze Colours for the Decoration of Porcelain

Firing range: 1180-1220 °C

CerDeChromAdvanz gives us the opportunity of doing the first seven-colour printing process in the ceramic industry. The seven-colour printing

process enables us to reproduce designs favourably compared to the original design in an economical way.

Sequence of prints	Colour shade	Product no.	Pasting ratio	
1 st print	yellow	13 2200	10 : 4,5	colour : medium 80 820
2 nd print	cyan	12 1916	10 : 5,5	colour : medium 80 820
3 rd print	magenta	77 1910	10 : 7	colour : medium 80 820
Intermediate printing of Medium 80 3012				
4 th print	green	11 1454	10 : 4,5	colour : medium 80 820
5 th print	blue	12 2201	10 : 5	colour : medium 80 820
6 th print	red	17 2203	10 : 5	colour : medium 80 820
7 th print	black	14 2200	10 : 5	colour : medium 80 820

Screen Printing

The colours are printed best with a polyester screen 120 S (120 mesh/cm or 305 mesh/inch, resp.). For screening, 48 lines per cm are ideal. The screen angle for magenta, green and blue should be 75°, for cyan and red 15° and for yellow and black 45°. The preferred squeegee hardness is 75 - 80 shore.

The indicated values for the screen angle are only recommendations according to our experience. These values should, however, be tested under individual processing conditions before use.

Firing

Inglaze for porcelain: 1180-1220 °C (60-90 min)

Resistance

The colours have been tested according to EN 1388.1 and 1388.2 (4 % acetic acid at 22 °C, 24 h). Heavy metal release is far below the official restrictions.

Storage

The colours should be stored in a dry place. In order to ensure that the colours have not absorbed any humidity, we recommend drying the powder colours at approx. 130 °C prior to mixing.

Safety Data Sheets

Our safety data sheets, which are available for every product, provide you with useful advice for working with our products.

Quality

All Ferro products are manufactured according to stringent specifications, and thoroughly tested before leaving our premises. Ferro's quality control procedures are warranted by EN ISO 9001, and certification is carried out annually.

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