

Lead-Containing System Technical Data



System 30

Main Market Use

These low-melting enamels are mainly used for the decoration of thin glassware which would deform at higher temperatures - such as lamps, fancy and small hollow glassware.

Chemical Composition

Colors in this System contain lead and Cadmium.

COLOR	REFERENCE	Pantone
GREEN	11 641	349 C
DARK GREEN	11 667	3435 C
LIGHT BLUE	12 530	293 C
DARK BLUE	12 602	Reflex Blue C
YELLOW	13 440	116 C
ORANGE	13 464	166 C
RED	17 395	186 C
BLACK	14 171	
WHITE	19 130	
FLUX	10 042	
ETCH	19 961	

The Pantone references and color prints are provided as an indication of the shade only.

The above mentioned references are randomly selected color shades, please contact your respective Ferro Technical Service to get more information on further available colors.

The above mentioned references refer to the powder form only. If you want the thermoplastic paste, liquid paste or spraying form, make sure to add the suitable name of the medium – mentioned on page 5 - at the end of the reference.

These colors are intermixable. We recommend performing preliminary tests before launching production with color mixtures from this System. Additional colours are available on demand. Our technical service teams also offer a full custom-color matching service.

Expansion Coefficient (C.o.E.)

These enamels have a high C.o.E., and therefore it is advisable to take special care when applying these colors. Enamels with a higher C.o.E. than the glass substrate to be decorated, can weaken the glass. We recommend decorators make preliminary trials to check that the end results are in accordance with their requirements.

Recommended Firing Conditions

From 540°C to 580°C with the higher temperature recommended for optimal transparency.

Chemical Resistance

Acid resistance: 7

Alkali resistance: 7

Limitation of Warranty and Liability

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