

DATA SHEET

41242604 OX.C. CR-05 REAC S/Pb ROJO POLVO

01/04/2025 v1.6

1. PRODUCT IDENTIFICATION

Description Red reactive decorative color. They are designed to achieve reactive effects and color gradients on or under ceramic glaze. Compound of frit: CAS N°. 65997-18-4.

Application It can be applied on any biscuit clay, white, red, terracotta at low temperature and on stoneware or porcelain at high temperature. It can be applied with a brush, airbrush, serigraphy, sponge, even to make decals. Firing temperature ranges between 980°C and 1280°C. To obtain a better color reaction, we recommend at 980°C the Opal Reactive Glaze EESP-30 and at 1280°C the O-10218.

2. CHEMICAL COMPOSITION

Metal oxides with concentrations less than 0.05% have not been determined.

Li ₂ O	5-10	ZnO	1-5	Cr ₂ O ₃		CaF ₂	
Na ₂ O		MnO		B ₂ O ₃	5-10	Bi ₂ O ₃	Cd(S,Se) en ZrSiO ₄ 10-20
K ₂ O	1-5	CdO		V ₂ O ₅		P ₂ O ₅	LOI 0.5-1
MgO	0-0.5	CoO		MnO ₂		BeO	
CaO	1-5	NiO		SiO ₂	20-40	CeO ₂	
SrO	0.5-1	Al ₂ O ₃	5-10	TiO ₂	10-20	CuO	
BaO	1-5	Fe ₂ O ₃	0-0.5	ZrO ₂	0-0.5	Pr ₂ O ₃	
PbO		Sb ₂ O ₃		SnO ₂			

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect Red powder
Color(fired) Red

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: a: b:

5. DILATOMETRY				* Data obtained with dilatometer BÄHR mod. DIL 801 L		10 ⁻⁷ C ⁻¹	
(25-300)C°	(50-300)C°	(300-500)C°	(500-600)C°	T ^a Transformation	T ^a Softening	Melting point	
90.0	92.6	105.2		485 C°	594 C°	>825 C°	

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
57.2	29.0	14.2	2.9	0.0	13.3

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Contains inclusion cadmium pigment. To certify their food use, the final pieces must be submitted to lead migration test by an accredited laboratory.

Notes: n.a (not applicable), n.d (no information available), p.n (negative tests)

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