

DATA SHEET

41242404 OX.C. CR-11 REAC S/Pb MARRON POLVO

01/04/2025 v1.7

1. PRODUCT IDENTIFICATION

Description Brown 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		LOI	1-5
Na ₂ O		MnO		B ₂ O ₃	5-10	Bi ₂ O ₃			
K ₂ O	1-5	CdO		V ₂ O ₅		P ₂ O ₅	0-0.5		
MgO	0-0.5	CoO		MnO ₂	10-20	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	0.5-1	ZrO ₂	0-0.5	Pr ₂ O ₃			
PbO		Sb ₂ O ₃		SnO ₂					

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect Brown powder
Color(fired) Brown

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

Formulated without lead and cadmium.

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

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