

DATA SHEET

13603507 ESMALTE PR-23 OPACO ATOMIZADO

05/02/2025 v1.4

1. PRODUCT IDENTIFICATION

Description White and Glossy lead Glaze suitable for use on white and red body, pottery and colored body. It can be used on standard bodies because its low TEC. Compound of frit: CAS N°. 65997-18-4.

Application It can be applied :dipping, spraying, slip-trail for "CUERDA SECA" technique and any mechanical method of application. It can be coloured with our Pigments "P" Series, keeping in mind it contains Zr . It is recommended to make previous test for colouring with natural oxides. "CD Series"and "Decor Series" of On- glaze colours can be used for decoration. The recommended temperature varies from 950°-1000°C.

2. CHEMICAL COMPOSITION

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

Li ₂ O	0-0.5	ZnO	5-10	Cr ₂ O ₃		CaF ₂	
Na ₂ O		MnO		B ₂ O ₃	10-20	Bi ₂ O ₃	HfO ₂ 0-0.5
K ₂ O	1-5	CdO		V ₂ O ₅		P ₂ O ₅	MEDIUM 0-0.5
MgO	0.5-1	CoO		MnO ₂		BeO	LOI 0.5-1
CaO	5-10	NiO		SiO ₂	40-80	CeO ₂	
SrO		Al ₂ O ₃	5-10	TiO ₂	0-0.5	CuO	
BaO		Fe ₂ O ₃	0-0.5	ZrO ₂	5-10	Pr ₂ O ₃	
PbO	1-5	Sb ₂ O ₃		SnO ₂			

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect White powder
Color(fired) White Bright

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: n.a a: n.a b: n.a

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	
61.1	60.7	62.7	116.1	579 C°	673 C°	>900 C°	

6. GRANULOMETRIC DISTRIBUTION (WET WAY)					* Data obtained by Malvern Instruments (Master Sizer 2000)
>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
65.7	32.3	14.3	2.0	0.0	16.1

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Compound of lead frit. 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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