

DATA SHEET

22192307 'ESMALTE PR-211-B TRANSP. ATOMIZADO

05/02/2025 v1.5

1. PRODUCT IDENTIFICATION

Description	Transparent Bright leads Glaze suitable for use on white body , traditional pottery and rustic tiles . It is recommended to use oer White engobe or our PR-120-BB Basis to obtain the best Bright and Whiteness. Compound of frit: CAS N°. 65997-18-4.
Application	It can be applied: dipping, spraying, any mechanical application method. It can be colored with our "P" Series Pigments and Natural Oxydes obtaining a high performance color. The "CD Series" and "Decor Series" of underglaze colors can be used for brush or screen printing decoration. The recommended temperature varies from 960°-1020°C.

2. CHEMICAL COMPOSITION

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

Li ₂ O	1-5	ZnO	Cr ₂ O ₃	CaF ₂		
Na ₂ O		MnO	B ₂ O ₃	Bi ₂ O ₃	MEDIUM	0-0.5
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	CeO ₂		
SrO		Al ₂ O ₃	TiO ₂	CuO		
BaO		Fe ₂ O ₃	ZrO ₂	Pr ₂ O ₃		
PbO	40-80	Sb ₂ O ₃	SnO ₂			

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	White powder
Color(fired)	Transparent Bright

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: n.a	a: n.a	b: n.a
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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
68.7	68.0	72.6	231.1	535 C°	600 C°	>800 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
67.1	35.5	18.4	4.7	0.1	17.0

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)



C/ Aviación 44, 46940 Manises, Valencia - España
+34961545588
admon@prodesco.es
www.prodesco.es

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