

DATA SHEET

22617907 ESMALTE PR-70/N TRANSP. S/Pb ATOMIZ

17/02/2025 v1.3

1. PRODUCT IDENTIFICATION

Description Transparent Bright Glaze suitable for use on white, red and terra-cotta high TEC . Adapted for single firing. Compound of frit: CAS N°. 65997-18-4.

Application It can be applied: immersion, spraying, any mechanical application method. It can be colored with our "P" Series pigments. For decoration, the "CD Series" of underglaze colors can be used.The recommended temperature varies from 980°C-1150°C.

2. CHEMICAL COMPOSITION

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

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

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
76	75.9	80.9	179.1	574 C°	641 C°	>950 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
62.6	29.9	13.1	2.1	0.1	14.9

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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