

DATA SHEET

12102507 'ESMALTE M-90/11-M MATE ATOMIZADO

05/02/2025 v1.4

1. PRODUCT IDENTIFICATION

Description White Matt lead Glaze suitable for use on white , terracotta and red body, pottery and colored body.
Compound of frit: CAS N°. 65997-18-4.

Application It can be applied :dipping, spraying, any mechanical method of application.It can be coloured with our Pigments "P" Series, keeping in mind it contains Zr and Zn. 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 980°-1020°C.

2. CHEMICAL COMPOSITION

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

Li ₂ O		ZnO	20-40	Cr ₂ O ₃		CaF ₂	
Na ₂ O	1-5	MnO		B ₂ O ₃	1-5	Bi ₂ O ₃	HfO ₂ 0-0.5
K ₂ O	0-0.5	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		Al ₂ O ₃	5-10	TiO ₂	0-0.5	CuO	
BaO		Fe ₂ O ₃	0-0.5	ZrO ₂	1-5	Pr ₂ O ₃	
PbO	10-20	Sb ₂ O ₃		SnO ₂			

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect White powder
Color(fired) White

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
58.6	58.3	68.9	179.6	51 C°	619 C°	>950 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
64.2	33.0	16.4	3.5	0.0	15.7

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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