DATA SHEET

21128507   ESMALTE PR-120-BB BLANCO BASE ATOMI   17/02/2025   v1.4

1. PRODUCT IDENTIFICATION

Description — White Base Glaze for use on red clay to layer transparent colored glazes. It can be used in single firing by adding 5% Monocol V. For viscosity adjustment, Deflocculant No. 7 is recommended. Compound of frit: CAS Nº. 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 and firing cycles over 1080 ºC. "CD Series" of On-glaze colours can be used for decoration. The recommended temperature varies from 980ºC-1150ºC.

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

Li_2O		ZnO	1-5	Cr_2O_3		CaF_2			
Na_2O	1-5	MnO		B_2O_3	10-20	Bi_2O_3		MEDIUM	0-0.5
K_2O	1-5	CdO		V_2O_5		P_2O_5		LOI	1-5
MgO	0.5-1	CoO		MnO_2		BeO			
CaO	1-5	NiO		SiO_2	40-80	CeO_2			
SrO		Al_2O_3	10-20	TiO_2	0-0.5	CuO			
BaO		Fe_2O_3	0-0.5	ZrO_2	5-10	Pr_2O_3			
PbO		Sb_2O_3		SnO_2					

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect — White powder

Color(fired) — White Bright opaque

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)Cº	(50-300)Cº	(300-500)Cº	(500-600)Cº	Tª Transformation	Tª Softening	Melting point
68.7	69.8	77.4	117	587 Cº	669 Cº	>900 Cº

6. GRANULOMETRIC DISTRIBUTION (WET WAY)   * Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
59.4	29.1	14.4	2.8	0	13.7

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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