DATA SHEET

13609907 ESMALTE PR-112 BLANCO OP. ATOMIZADO 17/02/2025 v1.3

1. PRODUCT IDENTIFICATION

Description: White and Glossy 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 Nº. 65997-18-4.

Application: It can be applied :dipping, spraying, and 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 at 1260 ºC. "CD Series" of On-glaze colours can be used for decoration. The recommended temperature varies from 1050ºC-1260ºC.

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	1-5	Bi_2O_3		Co-Al-Zn	0-0.5
K_2O	0-0.5	CdO		V_2O_5		P_2O_5		HfO2	0-0.5
MgO	0-0.5	CoO		MnO_2		BeO		LOI	0.5-1
CaO	1-5	NiO		SiO_2	20-40	CeO_2			
SrO		Al_2O_3	5-10	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

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°	Tª Transformation	Tª Softening	Melting point
55.9	55.7	61	66.9	609 Cº	730 Cº	>1000 Cº

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

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
59.4	27	11.6	1.6	0	13.5

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)

PRODESCO S.L.

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