DATA SHEET

11111607 ESMALTE PR-20/N BLANCO MATE ATOMIZA 17/02/2025 v1.4

1. PRODUCT IDENTIFICATION

Description: White Matt Glaze suitable for use on white and red rody, pottery and colored body. 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-1080ºC.

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

Li_2O		ZnO	10-20	Cr_2O_3		CaF_2			
Na_2O	5-10	MnO		B_2O_3	5-10	Bi_2O_3		HfO2	0-0.5
K_2O	0.5-1	CdO		V_2O_5		P_2O_5		LOI	0.5-1
MgO	0-0.5	CoO		MnO_2		BeO			
CaO	5-10	NiO		SiO_2	40-80	CeO_2			
SrO		Al_2O_3	1-5	TiO_2	0-0.5	CuO			
BaO	1-5	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 matt

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
62.7	68.2	78.4	172.8	515 Cº	665 Cº	>975 Cº

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

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
57.5	25.4	11	2	0	12.7

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)

PRODESCO S.L.

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