

DATA SHEET

15602007 ESMALTE TRANSPARENTE F-15 S/Pb ATOM

17/02/2025 v1.4

1. PRODUCT IDENTIFICATION

Description	Transparent Bright Glaze suitable for use on white, red and colored body. It can be used as flux adding to colours for brush and serygraphy decoration . Compound of frit: CAS N°. 65997-18-4.
Application	It can be applied: dipping, spraying, any mechanical application method. It can be colored with our "P" Series Pigments obtaining a high performance color. The "CD Series" of underglaze colors can be used for brush or screen printing decoration. The recommended temperature varies from 980°-1260°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	
Na ₂ O		MnO		B ₂ O ₃	10-20	Bi ₂ O ₃	LOI 0.5-1
K ₂ O	1-5	CdO		V ₂ O ₅		P ₂ O ₅	
MgO	1-5	CoO		MnO ₂		BeO	
CaO	5-10	NiO		SiO ₂	40-80	CeO ₂	
SrO		Al ₂ O ₃	10-20	TiO ₂		CuO	
BaO	0.5-1	Fe ₂ O ₃	0-0.5	ZrO ₂		Pr ₂ O ₃	
PbO		Sb ₂ O ₃		SnO ₂			

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	White powder
Color(fired)	Transparent

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
73.6	73.9	74.9	125.3	587 C°	677 C°	>700 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
55.4	20.4	7.1	0.4	0	11.7

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)



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

The provide data have been obtained under the specific conditions of the quality control process of PRODESCO S.L. being for informational purposes, not assuming any contractual relationship.