DATA SHEET

22618704   ESM. XP-3257/T VIVO VERDE MEDIO S/P

1. PRODUCT IDENTIFICATION

Description

GLOSSY TRANSPARENT MID GREEN GLAZE .It belongs to the "LIVE GLAZE" series. They have a colourful shiny finish and leave a high-quality surface finish. Compound of Frit CAS: 65997-18-4.

Application

Their Thermal Expansion Coefficient a=55-60 (300-500 ºC) avoid cracking in commonly ceramic body. The transparent glazes in this series are designed for white clay bodies, but due to the density of some of the colours, these may be suitable for use on red clay bodies.
On red clay bodies, they can be single fired, and the addition of Monocol V (5%-10%) is recommended for better adhesion of the glaze to the piece.
They can be fired in traditional or fast firing cycles. The firing temperature varies from 960-1020ºC

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	20-40	Bi_2O_3		LOI	0.5-1
K_2O	0-0.5	CdO		V_2O_5		P_2O_5		Zr-V-Pr-Si	5-10
MgO	0-0.5	CoO		MnO_2		BeO			
CaO	1-5	NiO		SiO_2	40-80	CeO_2			
SrO	0-0.5	Al_2O_3	5-10	TiO_2	0-0.5	CuO			
BaO	1-5	Fe_2O_3	0-0.5	ZrO_2		Pr_2O_3			
PbO		Sb_2O_3		SnO_2					

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	Green powder
Color(fired)	Green

4. COLORIMETRY   * By Minolta ChromaControl (S)

L: 57.77	a: -23.72	b: 33.28

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
52.5	51.3	55.1	169.7	559 Cº	641 Cº	>600 Cº

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

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
61.4	29.2	12.7	2.2	0	14.3

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)