

DATA SHEET

20773604 'ESMALTE GRES E-63041/1 NARANJA POL

08/01/2026 v1.2

1. PRODUCT IDENTIFICATION

Description Orange glaze (contains Zn)
It belongs to high temperature glazes.

Application The glaze can be coloured natural and synthetic oxides. It admits either once firing. It can be applied over: porcelain, stoneware and over any of their varieties. The range for temperatures varies from 1200 to 1320°C.

2. CHEMICAL COMPOSITION

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

Li ₂ O	ZnO	0-0.5	Cr ₂ O ₃	CaF ₂	Cd(S,Se) en : 5-10
Na ₂ O	MnO		B ₂ O ₃	Bi ₂ O ₃	
K ₂ O	CdO		V ₂ O ₅	P ₂ O ₅	LOI 0-0.5
MgO	CoO		MnO ₂	BeO	Pig.Ing
CaO	NiO		SiO ₂ 1-5	CeO ₂	
SrO	Al ₂ O ₃	0-0.5	TiO ₂	CuO	Zr-Pr-Si 1-5
BaO	Fe ₂ O ₃		ZrO ₂	Pr ₂ O ₃	
PbO	Sb ₂ O ₃		SnO ₂ 0-0.5		

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect Orange powder
Color(fired) Orange

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: 60.1 a: 30.9 b: 36.9

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
74.5	74.9	87.0	112.6	521 C°	884 C°	>1100 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
49.5	21.3	9.0	1.2	0.0	9.8

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Contains inclusion cadmium pigment. To certify their food use, the final pieces must be submitted to lead migration test by an accredited laboratory.

Notes: n.a (not applicable), n.d (no information available), p.n (negative tests)