DATA SHEET

22613804 ESM. 5941 TERRACOTA CRAQ. S/Pb POLV 14/01/2026 v1.4

1. PRODUCT IDENTIFICATION

Description

TERRACOTA CRACKLED GLAZE
It belongs to the Serie “CRACKLED”, shiny, opaque and crackled glazes. We recommend also employing the Raku firing technique with these glazes, since they maintain a stable colour, therefore contrasting with the colour of the fired clay in reduction atmosphere. Formulated without lead and cadmium.Compound of frit: CAS Nº. 65997-18-4.

Application

The glaze can be used for white, red body or earthenware (RAKU). According to the coefficient of expansion of the chosen clay body, the crackled effect could be greater or smaller, especially for clay bodies with a higher coefficient where the glaze does not reach the cracking point. They can be glazed by dipping, but we recommend using a spray gun.
Firing temperature range 930ºC - 1020ºC, recommended 980ºC. Once the piece is fired it is recommended to wait 24 h and apply with a cloth "Antique Brown Patina" to enhance the crackle effect.

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

Li_2O		ZnO		Cr_2O_3		CaF_2			
Na_2O	10-20	MnO		B_2O_3	5-10	Bi_2O_3		Fe-Cr-Zn	1-5
K_2O	1-5	CdO		V_2O_5		P_2O_5		LOI	0.5-1
MgO	0-0.5	CoO		MnO_2		BeO			
CaO	1-5	NiO		SiO_2	40-80	CeO_2			
SrO		Al_2O_3	10-20	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	Brown powder
Color(fired)	Terracotta

4. COLORIMETRY * By Minolta ChromaControl (S)

L: 59 a: 16.4 b: 21.3

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
92.2	85.3	101.2	175.6	573 Cº	657 Cº	>875 Cº

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

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
66.7	34.9	16.7	3.1	0.1	17

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Not recommended for food use due to its craquelé effect that does not give the piece its total tightness

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