

# DATA SHEET

22613704 ESM. 5940 MARRON CRAQ. S/Pb POLVO

14/01/2026 v1.4

## 1. PRODUCT IDENTIFICATION

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | <p><b>BROWN CRACKLED GLAZE</b></p> <p>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 N°. 65997-18-4.</p>                                                                                                                                                                                    |
| Application | <p>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.</p> <p>Firing temperature range 930°C - 1020°C, recommended 980°C. 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.</p> |

## 2. CHEMICAL COMPOSITION

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

|                         |                                      |                                    |                                |          |       |
|-------------------------|--------------------------------------|------------------------------------|--------------------------------|----------|-------|
| Li <sub>2</sub> O       | ZnO                                  | Cr <sub>2</sub> O <sub>3</sub>     | CaF <sub>2</sub>               |          |       |
| Na <sub>2</sub> O 10-20 | MnO                                  | B <sub>2</sub> O <sub>3</sub> 5-10 | Bi <sub>2</sub> O <sub>3</sub> | Fe-Cr-Zn | 1-5   |
| K <sub>2</sub> O 1-5    | CdO                                  | V <sub>2</sub> O <sub>5</sub>      | P <sub>2</sub> O <sub>5</sub>  | LOI      | 0.5-1 |
| MgO 0-0.5               | CoO                                  | MnO <sub>2</sub>                   | BeO                            |          |       |
| CaO 1-5                 | NiO                                  | SiO <sub>2</sub> 40-80             | CeO <sub>2</sub>               |          |       |
| SrO                     | Al <sub>2</sub> O <sub>3</sub> 10-20 | TiO <sub>2</sub> 0-0.5             | CuO                            |          |       |
| BaO                     | Fe <sub>2</sub> O <sub>3</sub> 0-0.5 | ZrO <sub>2</sub> 5-10              | Pr <sub>2</sub> O <sub>3</sub> |          |       |
| PbO                     | Sb <sub>2</sub> O <sub>3</sub>       | SnO <sub>2</sub>                   |                                |          |       |

## 3 PHYSICAL-CHEMICAL PROPERTIES

|              |              |
|--------------|--------------|
| Aspect       | Brown powder |
| Color(fired) | Brown        |

## 4. COLORIMETRY

\* By Minolta ChromaControl (S)

|         |         |        |
|---------|---------|--------|
| L: 38.1 | a: 12.5 | b: 7.4 |
|---------|---------|--------|

## 5. DILATOMETRY

\* Data obtained with dilatometer BÄHR mod. DIL 801 L 10<sup>-7</sup> C<sup>-1</sup>

| (25-300)C° | (50-300)C° | (300-500)C° | (500-600)C° | T <sup>a</sup> Transformation | T <sup>a</sup> Softening | Melting point |
|------------|------------|-------------|-------------|-------------------------------|--------------------------|---------------|
| 92.2       | 85.3       | 101.2       | 175.6       | 573 C°                        | 657 C°                   | >875 C°       |

## 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)



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.