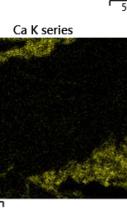
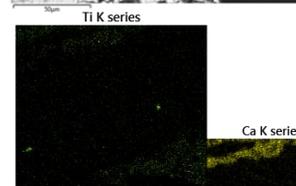
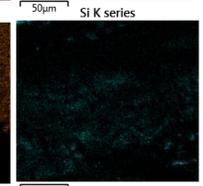
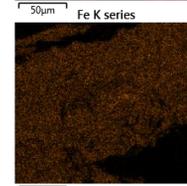
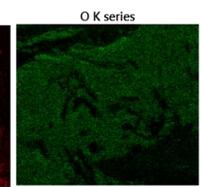
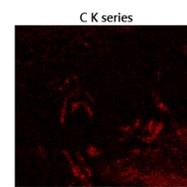
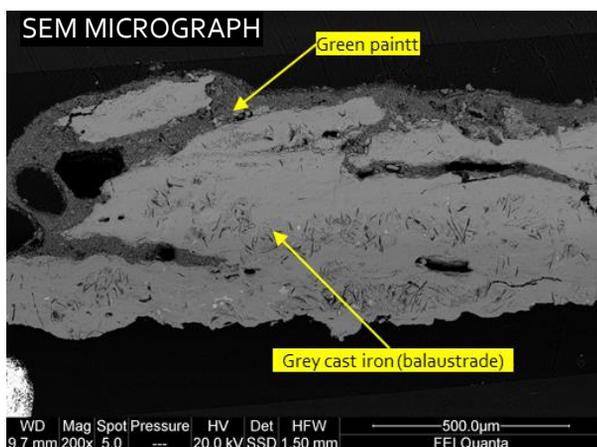


Object 8. *Pecado Original*-SOKRAM-Ordes 2012

Characterization of MATERIALS-PAINTS and SUPPORT – January 2020



| | SUPPORT | PAINTS |
|-------------|--|--|
| DESCRIPTION | <ol style="list-style-type: none"> Reinforced concrete (channel of the river) Brick wall rendered with cement based mortar and painted with white acrylic paint Wrought iron balustrade Wood Aluminium Northeast (N35E) facing wall | Several Green-blue colours, red, yellow, black and white. All of them, acrylic paints |
| ANALYSIS | XRD | XRD and SEM-EDS |
| RESULTS | <ul style="list-style-type: none"> Concrete: silicated aggregate and Portland cement. Brick wall: several cement based renders of <u>different aggregate nature</u> (silicate, beach sand...). Balustrade: grey cast iron | Calcium carbonate, talc and titanium oxide, as inorganic phases Several paint layers both of author's own and previous to the artwork |



SEM analyses of green paint samples from the balustrade confirm that the support is a *grey iron cast*; It has a ferritic matrix and C in the form of graphite, with a typical laminar and rosette texture

EDS chemical element maps reflect the ferritic nature of the matrix (high Fe content) and the rosette-shaped graphite growths. The paint that rests on the grey cast iron is rich on calcium and titanium.

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