

K 1135 Condition Report

Conservation Started: 24/6/13

Conservation Finished: 25/6/13

Conservator: Deborah Magnoler

Time Taken: 1 hr

Including digital photography, report, conservation and packing.

Dimensions: (L) 12.5 mm (W) 12.4 mm (T) 0.7 mm

Weight before: 0.32 g

Weight after: 0.32g

Catalogue number: 691

Digital photography:

Taken with a Canon EOS digital camera under daylight bulbs and Photomicrographs taken using Keyence VHX-1000 3D digital microscope with LED and/or fibre optic lights, 20-200x magnification.

Description: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification.

A triangular flat object, possibly made of copper alloy. The surface is covered by a thick deposit of green corrosion and a black material, which is brittle and at risk of coming off the surface. . Embedded within this layer are fine silt and remains of plant material, possibly chaff.

Pre-Conservation Condition: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification.

Covered bay a fine layer of soil, corroded. The superficial deposits appear to be a mixture of organic and inorganic material, comprising corrosion product and possibly a patina.

Treatment: Carried out using a Meiji stereo microscope

Purpose: Study

Aim: Total cleaning

Materials: Soft natural/synthetic brushes, thorn in pin vice/holder, IMS on metals, cotton wool swabs, cocktail stick, Paraloid B72

The granular soil on the front and back was mechanically reduced where possible using a fine thorn tip secured in a pin vice and a small pure bristle brush. IMS or water was used to soften the soil to facilitate removal. Loose particles of soil were then removed with a small swab of IMS.

Possible corrosion products were left in situ; corrosion was not active and can be further cleaned or stabilised at a later date.

The paper K number was adhered to the back with HMG brand Paraloid B72 (ethyl methacrylate copolymer) from the tube, applied with a cocktail stick.

A storage box padded with white polyethylene foam was made for housing the object. A strip of Tyvek (spun bound polyethylene fibres) was used as a cushion for the object and to help lift it out of the foam.

Post-Conservation Condition/Findings: see pre-conservation reports.

Samples:

None – insufficient soil.