

K1325: Gold sheet-metal fragment with rivet hole

Condition Report

Conservation Started: 26.2.2013

Conservation Finished: 26.2.2013

Conservator: Julia Leunge

Time Taken: 0.5 hours

Including digital photography, report, conservation and packing.

Dimensions: (L) 14.5mm (W) 10mm (Th) 0.5mm

Weight before: 0.31 g

Weight after: 0.28 g

Catalogue number: 656

Digital photography:

Taken with a Canon EOS 100D digital camera, under daylight or bulbs and a Keyence VH-Z20R Digital Microscope (with analyses capture software) and fibre optic lights, 7-75x magnification. Taken before, and after.

Annotation on any of the storage bags or boxes:

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Description: Visual and microscopic examination using Meiji stereo microscope 20x magnification

Gold sheet-metal fragment with torn rivet hole. Around the folded edges of the object, a line of solder residue is visible in a dotted pattern. Perhaps suggesting beaded wire filigree having been attached here.

Associated Objects:

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Pre-Conservation Condition: Visual and microscopic examination using Meiji stereo microscope 20x magnification

Granular soil is adhering to the object's surface. Some scratches are present on the metal.

Treatment: Carried out using a Meiji stereo microscope

Purpose: Study / Analysis

Aim: Total cleaning

Materials: Soft natural/synthetic brushes, thorn in pin vice/holder, IMS on metals, 50:50 water/IMS on metals, cotton wool swabs, cocktail stick, Paraloid B72

The granular soil on the front and back was mechanically removed or 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.

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:

The object is nearly broken in half. The area where the two parts are still attached is very narrow.

Key Features:

Rivet hole, remains of solder.

Analysis Undertaken:

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Samples:

1: soil from front, back and side surfaces.

References:

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