

Webinar for Registrars Committee - Western Region

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Metals in Collections: Corrosion Issues, Handling & Storage

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List of Resources/Supplies

Please note, the mention of a supplier or product is for information purposes only. The information provides a launching point for investigating further resources and suppliers.

Resources:

- Image Permanence Institute: <https://www.imagepermanenceinstitute.org>
- STASH (Storage Techniques for Art, Science, and History): <https://stashc.com>
- Connecting to Collections Care Online Community (Free webinars, with past webinars archived and available for viewing): <https://www.connectingtocollections.org>
 - *Demystifying Silica Gel for Effective Microclimates*, January 2019: <https://www.connectingtocollections.org/effective-microclimates>
 - *Storage Environments: The Big Picture*, December 2017: <https://www.connectingtocollections.org/storage-environments>
- Silica Gel Products and How to Use Them: https://www.conservation-wiki.com/wiki/Silica_Gel_Products_and_How_to_Use_Them
- CCI Notes: <https://www.canada.ca/en/conservation-institute/services/conservation-preservation-publications/canadian-conservation-institute-notes.html>
 - Recognizing Active Corrosion 9/1
 - Storage of Metals 9/2
 - Preparing Silica Gel for Contained Storage of Metal Objects 9/14
- National Park Service Conserve O Grams: https://www.nps.gov/museum/publications/consveogram/cons_toc.html
 - Creating a Microclimate Box for Metal Storage, Number 4/16
- *Aluminum: History, Technology, and Conservation* (Smithsonian publication that can be downloaded for free. Excellent resource for a deeper dive in to understanding aluminum): https://smithsonian.figshare.com/articles/book/Aluminum_History_Technology_and_Conservation_Proceedings_from_the_2014_International_Conference_/9761726

- Cardiff University Heritage Preservation Guidance for Archaeological and Historic Metals: <https://www.heritagepreservationguidance.co.uk/>
 - Paper by Thunberg, Watkinson, and Emmerson: *Desiccated Microclimates for Heritage Metals: Creation and Management*: https://b493586a-3ed1-4702-9f19-3171134a3141.filesusr.com/ugd/af57ff_d3a09267c3ee4752a88493ee7ea5f36f.pdf?index=true

Suppliers:

Anti-tarnish Cloth: The most economical option is to buy the fabric by the yard or in a bolt and then cut and, if desired, sewn into a bag to accommodate the size of the object/s.

Joann Fabric (Utility Fabric Silvertex Brown). Joann's regularly offers sales and coupons that would decrease the cost of the fabric further: <https://www.joann.com/utility-fabric-silvertex-brown/1847813.html>

Talas: <https://www.talasonline.com>

Silica Gel (Desiccant):

Art Sorb: <https://artsorbonline.com>

Talas: <https://www.talasonline.com>

University Products: <https://www.universityproducts.com>

Uline: <https://uline.com> (Budget option: Small silica gel desiccant bags in various sizes can be bought in bulk. One option includes color changing silica gel to indicate when desiccant packet needs to be replaced.)

Amazon: <https://amazon.com> (Another budget option: Small silica gel desiccant packets can be bought in batches. Some options include color indicating silica gel beads, to indicate when it is time to change the packet or heat/recondition the silica gel, and in packaging material that allows the silica gel to be heated/regenerated in a microwave in order to use again.)

Humidity Indicating Cards:

Talas: <https://www.talasonline.com>

University Products: <https://www.universityproducts.com>

Uline: <https://www.uline.com> (Budget option: Can buy humidity indicating cards in bulk. For example, a canister of 200 cards, S-8028, is \$35.)

Amazon: <https://amazon.com> (Budget option: For example, a package of 10 humidity indicating cards by Integra can be bought for \$13.99).

RP System: RP System Type A and Escal Barrier Film.

Conservation Support Systems:

<https://conservationsupportsystems.com/product/show/ageless-rp-system-type-a/oxygen-absorbers-mitsubishi-ageless-rp>

Keepsafe Microclimate Systems: <https://www.keepsafe.ca>

Corrosion Intercept:

University Products: <https://www.universityproducts.com>

Talas: <https://www.talasonline.com>