

# deffner & Johann

Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

## TECHNICAL DATA SHEET

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## Museum Gel General Information

**Museum Gel** is a clear, easily removable, reusable adhesive that leaves none of the messy residue associated with the waxes. The gel simply peels off both surfaces. It is ideal for glass and is intended for use on **level horizontal surfaces which are impermeable**, such as marble, glazed tile and porcelain, lacquered wood, and the like. (The gel would leave a slight oily stain on unsealed surfaces.) Since Museum Gel is essentially a very viscous liquid plastic, it will **SLOWLY flow on non-level surfaces**. Please read the instructions completely before using, especially noting that **Museum Gel does not immediately feel tacky, requires a short period to set up, and will set completely overnight. The gel must be re-formed with each use and is not intended for use in hot, sunny windows.** A little gel goes a long way; if too much is used, it will run out from beneath the piece and the piece might slide. Simply remove the excess with a finger. Museum Gel will stain fabric, so avoid contact.

### How to use:

1. Base must be in proportion to height and weight: Objects with a proportionally wider and flat base versus height and weight are optimal and will adhere effectively. The weight and base size of the object will guide you on the amount needed to secure with Clear Museum Gel. The base must have full even contact with the tabletop and be wide enough to allow for an area to apply Clear Museum Gel. This adhesion must be equally balanced on all sides and middle. Not recommended for top heavy or disproportionate objects.

2. The weight of the object should not be excessive in proportion to the size of the base adherence area. If the base is small as in objects with pedestal feet or thin ridges, then we do not recommend using this product. The Clear Museum Gel is by nature a liquid that, with gravity, flows into a thin film to create a secure bond. Conceivably the weight of the object concentrated on small pedestal or thin ridged bases could push right through the Clear Gel. Thus, a secure bond may not be achieved.

We suggest if you have pedestal feet or thin ridge bases that you try one of our other products - either QuakeHold! Or Collectors Hold! Museum Putty. These two products are much better for pedestal feet (see our list of other available products from Trevco) as they can be molded to stay in the position you desire.

**Is The Seepage Out the Sides Normal?** Yes. Simply remove the excess and put it back in the jar for use later. Bear in mind that this may be an indication of one of two things:

1. You used too much product. This is simply excess that has settled with gravity and can be removed or
2. A heavy weighted object has pushed on the gel. Simply check for a proper secure adhesion.

**How can I tell if an item is secure?** Put your hands at the base of the object and while holding securely give it a nudge. If the item feels as if it is “gripping not slipping” then it is secure. If while doing the nudging you dislodge the item, you have applied too much pressure and must reapply the product. Clear Museum Gel takes about 30-60 minutes for a bond. Allow overnight for the most secure bond.

**How Do I Remove an Object Secured with Clear Museum Gel?** Hold object firmly at the base and top. Give a gentle twist while lifting the object. Do not pull straight up without combining a twist action to release the lock. Be very careful with the removal of fragile items or brittle stemware as the product sets up to a sturdy bond. Once the object is up you simply pull off the Clear Museum Gel. You will marvel at how easy it is removed. We suggest that you use a larger piece to dab off all the residual material. If you like, you can use a mild dish soap or detergent to clean any remaining residue.

**On what surfaces and objects do you recommend using Clear Museum Gel?** We recommend the product for use on impenetrable objects and surfaces only. When we say “impenetrable,” we mean a surface or object that is completely impervious to moisture or water. It must be completely waterproof. Objects considered completely waterproof are glass, crystal, porcelain, Formica, tile, polished granite, certain varnished wood, metal and many others. If you use the product on any other surface, you run the risk of staining which may not be removable.

**Are the base shape, size, and weight of my item important?** Extremely so! This is one of the most important sections for you to understand. If you have any questions or are unclear with this information, please call us direct.

**Please read all directions completely before using. Test products in an inconspicuous position before using.**

## Museum 3-Pack Putty, Wax and Gel Rating

● Recommended ◎ You Decide ○ Not Recommended

|  | PUTTY   | WAX   | GEL   | Notes   |
|--|---|---|---|---|
| Clean to the touch   | ●   | ○   | ●   |   |
| Instantly Adheres  | ●   | ●   | ◎   |   |
| Recommended for Finished/Waterproof Wood, Porcelain, ceramics etc.                       | ●   | ●   | ●   |   |
| Recommended for lightly sealed wood  | ○   | ◎   | ○   |   |
| Recommended for Unfinished Wood  | ○   | ○   | ○   | All will adhere but may leave residue                                   |
| Strength/Holding Power   | ●   | ●   | ●   |   |
| Works on items with Pedestal Feet  | ●   | ○   | ○   |   |
| Reusability of Product   | ●   | ◎   | ●   |   |
| Best Product to use at store level for display and theft prevention                      | ●   | ○   | ●   |   |
| Can be used on walls behind pictures   | ◎   | ○   | ○   | Will adhere but may leave residue                                       |
| Non-toxic  | ●   | ●   | ●   |   |
| Least susceptible to aging or drying once applied if left on item for more than 6 months | ◎   | ●   | ●   | We always recommend to reapply when cleaning objects 3-4 times per year |
| Easiest Cleanup/Removal  | ●   | ○   | ◎   |   |
| Ease of use & application  | ●   | ◎   | ●   |   |
| Adheres the best in cold weather   | ●   | ●   | ●   |   |
| Adheres in the best in hot weather   | ●   | ○   | ◎   |   |
| Stays in the shape you mold it   | ●   | ◎   | ○   |   |
| Invisible on glass and crystal   | ○   | ◎   | ●   |   |
| Best for permanent long term adhesions (1 yr)  | ○   | ●   | ◎   |   |
| Product will work on tilted or less than level surfaces                                  | ●   | ◎   | ○   |   |
| Best product for items that are more frequently removed and reused                       | ●   | ○   | ●   |   |
| Considered consumers favorite product  | ●   | ○   | ●   |   |
| <b>Tally of Ratings</b>  | <b>16● 2◎ 4○</b><br>Most universal and widest range of applications.<br>Recommended for frequently removed and reused objects | <b>7● 6◎ 9○</b><br>Best for permanently located items (over 1 year) & some types of <i>offbeat</i> woods. | <b>12● 4◎ 6○</b><br>Hands down the best product for invisibility on glass & crystal |   |

There is no perfect solution for securing precious valuables from accidental breakage but we offer the best choices available today. Discerning collectors and museums have a variety of applications for securing decorative arts. Remember there are three choices now: Putty, Wax and Gel... look for the name Trevco and you know that you have selected the finest grade materials available today.