

Silica Gel - RH Control



SMALLCORP
THE SMALL CORPORATION

Products for the Display, Conservation and Storage
Of Works of Art, Textiles and Objects

Bulk Gel

SmallCorp silica gel is a type A Beaded Gel with an equilibrium moisture content of 30% and an M Value of 6.8 at 50% RH, which is especially well-suited for humidity ranges typical of most artifacts.

We can ship silica gel dry or preconditioned to meet your needs. All weights are calculated on a dry basis. Bulk gel is available in re-sealable 2.5 KG (5.5lb) containers.



Silica Gel Cartridges

Our standard cartridge is 4"x1"x10" and comes with 400g of gel. All weights are calculated on a dry basis. Custom sizes are available. It is made from high density polyethylene and polyester nonwoven fabric and transpires through both sides. It stands on edge for maximum air exposure. The cartridge is refillable, using SmallCorp gel or other media.

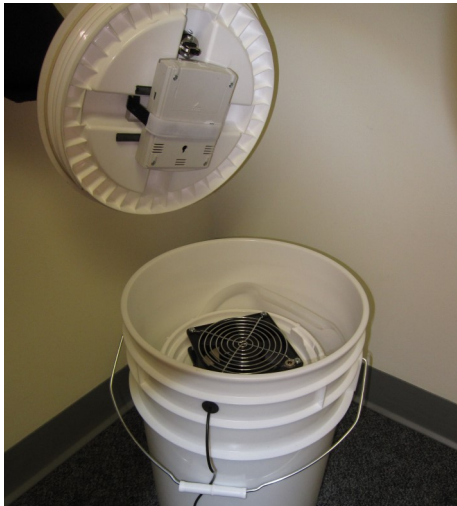
Silica Gel Pouches

Our standard pouch holds 250g of gel and measures 8" x 4 1/2". All weights are calculated on a dry basis. It is made from nonwoven polypropylene fabric to transpire through both sides. The pouch is easily shapeable so it will fit in irregular spaces. Pouches come packed in re-sealable cans of 20.



Silica gel can be reconditioned for re-use by placing it in an appropriate area (room, lab, etc) of the correct humidity for as long as is required (can be several weeks). Never add liquid water directly to silica gel. Contact us for detailed instructions.

We offer two systems for rapid reconditioning of gel. The small unit will handle up to 3kg of bulk gel per batch. The large unit is designed for reconditioning approximately 50kg of pouches, or cartridges and comes with a small convection oven, scale, and Extech RHT20 datalogger. This is very convenient for travelling exhibitions where gel may need to be reconditioned on the road. These units are designed to work with our on-line reconditioning calculator.



	Silica Gel Pouches	Silica Gel Cartridges	Bulk Gel
Size (inches)	4 1/2 x 8	4 x 10	N/A
Thickness (inches)	+/- 1/2	1	N/A
Capacity (grams, dry gel)	250	400	2500 or 10,000
Capacity (ounces/pounds, dry gel)	8.8 oz	17.6 oz	5.5 or 22lbs
100% Archival Materials	standard	standard	standard
Re-Sealable Packaging	re-sealable can	vapor lock bag	re-sealable can

Since 1972, SmallCorp has been a leader in the design and manufacture of archival museum exhibit cases and museum quality picture frames.

We are a vertically integrated manufacturer working in acrylic, glass, metal, wood and textiles to create archival and durable exhibit solutions. Our capacity ranges from our line of standard frames and cases to customer designed projects, whether it is one piece or hundreds. Our goal is to work with the conservation, exhibition and artistic communities to make the highest quality products at a reasonable price. We believe collaboration creates value both for our clients and for their audiences.

We are proud to say our products are hand-made in Massachusetts with solar power.



Capabilities

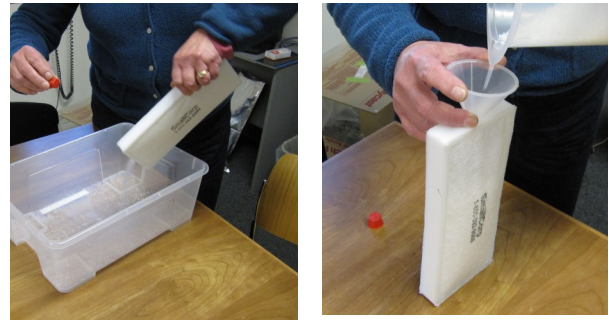
- Acrylic fabrication
- Aluminum and steel welding and finishing
- Cabinet work
- Fabric Lamination
- Powder coating and painting
- Sheet metal fabrication
- CNC sawing and routing
- LED and Fiber optic lighting

Unique Areas of Expertise

- Archival materials, adhesives and coatings
- Construction of sealed exhibit cases with air exchange rates as low as .02/day
- Design / construction of engineered picture framing and exhibit case solutions for small to very large objects
- Protection of objects from UV light damage



Type A beaded gel with equilibrium moisture content of 30% and M Value of 6.8 at 50% RH.



Gel cartridges can be easily emptied and re-filled for reconditioning



Most SmallCorp cases can be equipped with silica gel access ports so gel media can be changed without moving objects in the case