

# **Mastering Mounting: Sensitive Items**

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**Lecture Sponsored by The Gilman Brothers Company**

**West Coast Art & Frame, Las Vegas 2018**

# Mounting Review

## Noninvasive Methods

Natural Starch

Hinges

Kozo Backing

Alternatives

Edge Strips, Pockets

Mylar Encapsulation

Sink Mount

Static Mount

Velcro Mount

Dot Mount, EVA-PVA

Tension Mount, Fitted Mount

## Invasive Methods

HA Dry Mounting

HA Roller Laminator

Cold Mount

Cold RLs

Vacuum Frame

Commercial Wet Glue

Commercial Paste

Spray Adhesive

Manual Applications

Commercial Wet Glue

Pressure-Sensitive

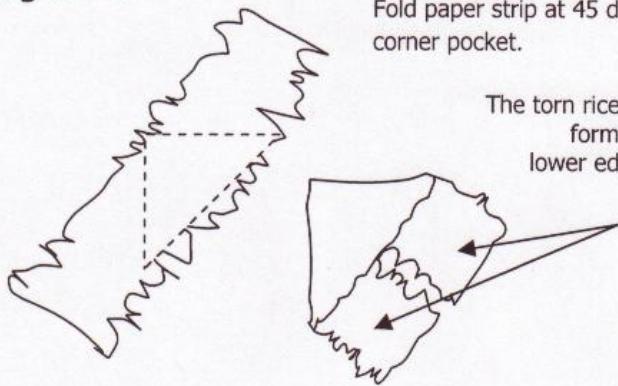
Spray Adhesive

# Hinging Review



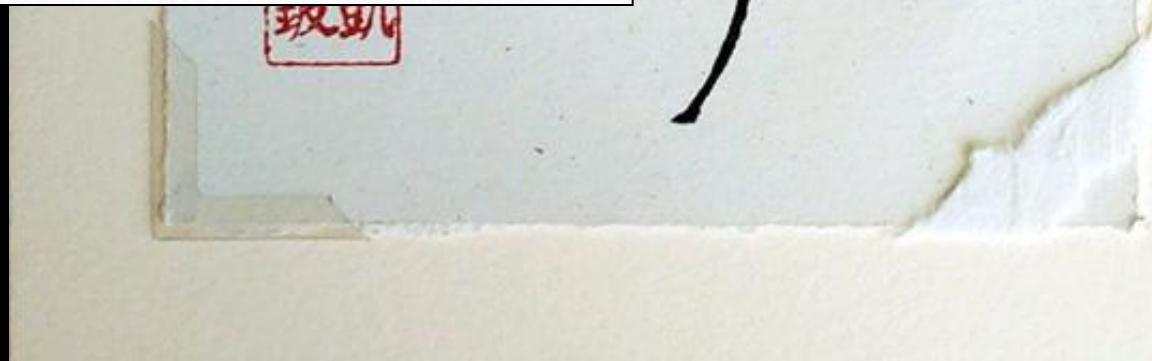


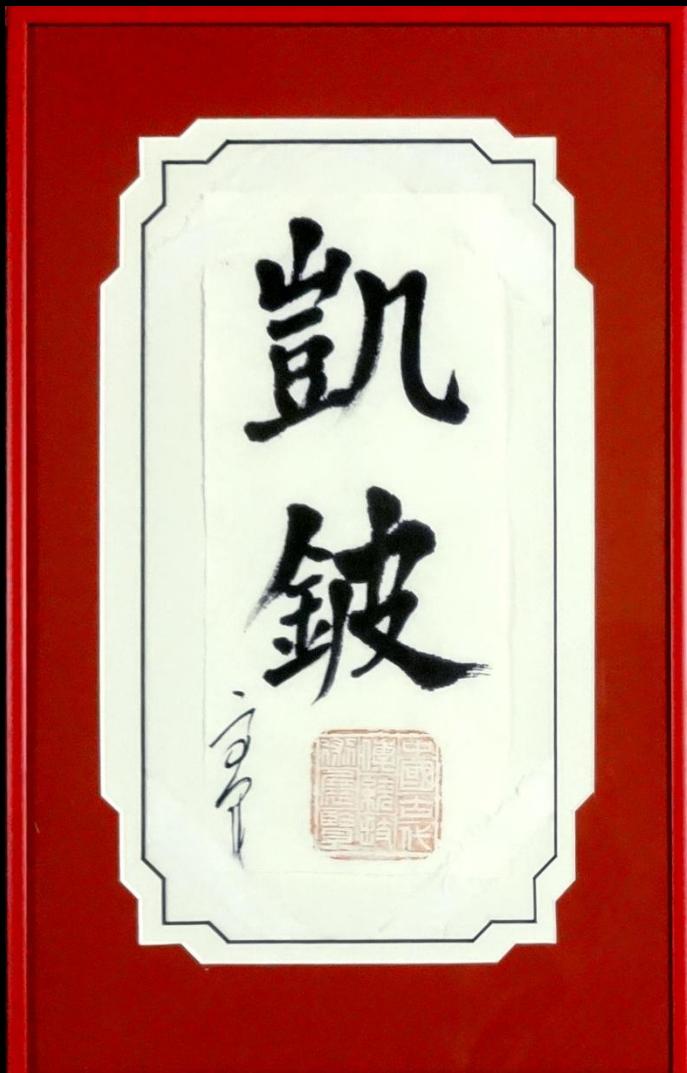
### Diagram 1



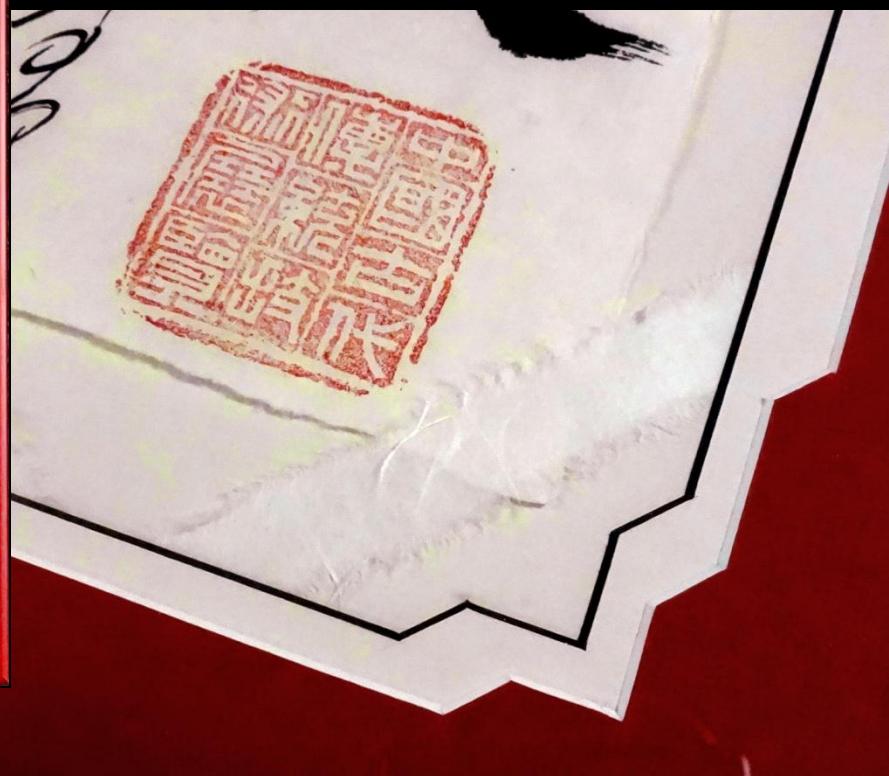
Fold paper strip at 45 degrees to make a corner pocket.

The torn rice paper strip is folded to form a corner, with only the lower edges of the corner glued with starch to the backing board.



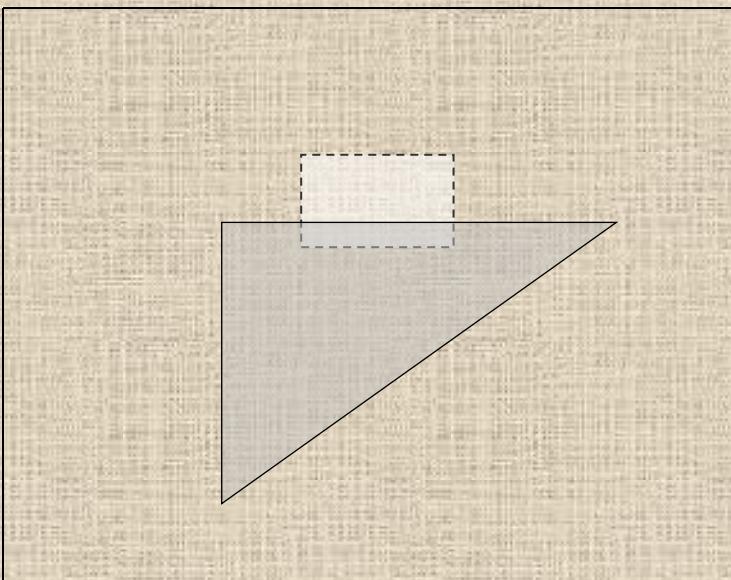


Mulberry (Kozo) paper  
corner straps

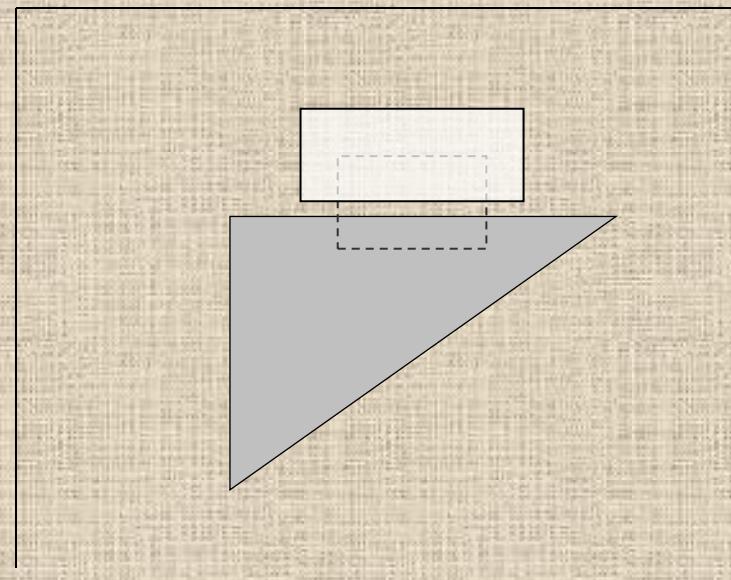


# Top Hinges

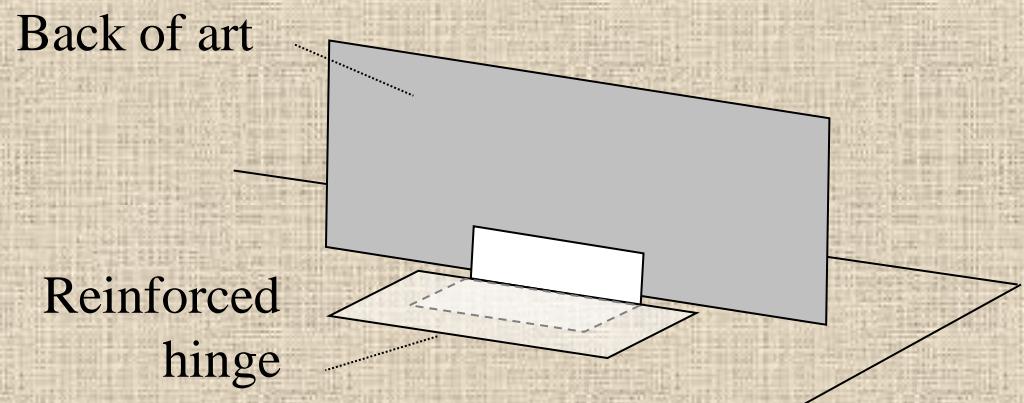
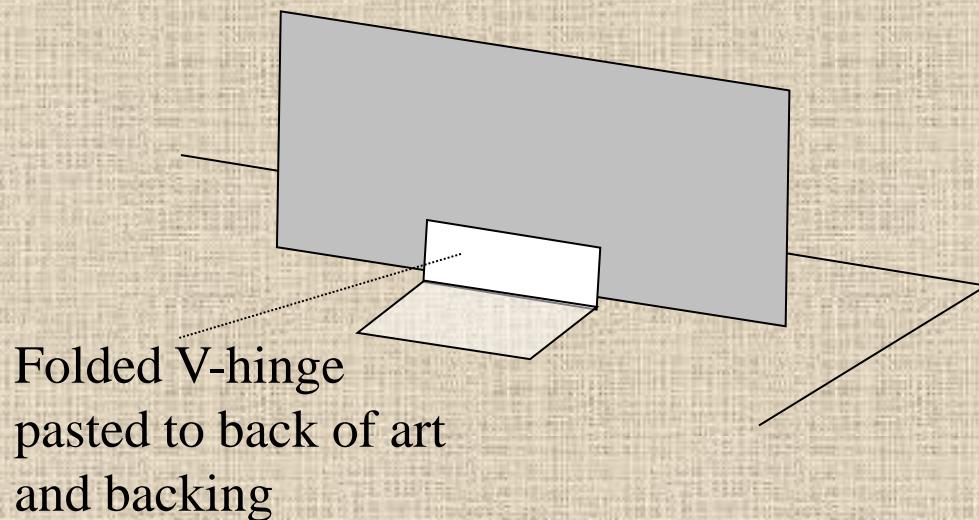
Pendant



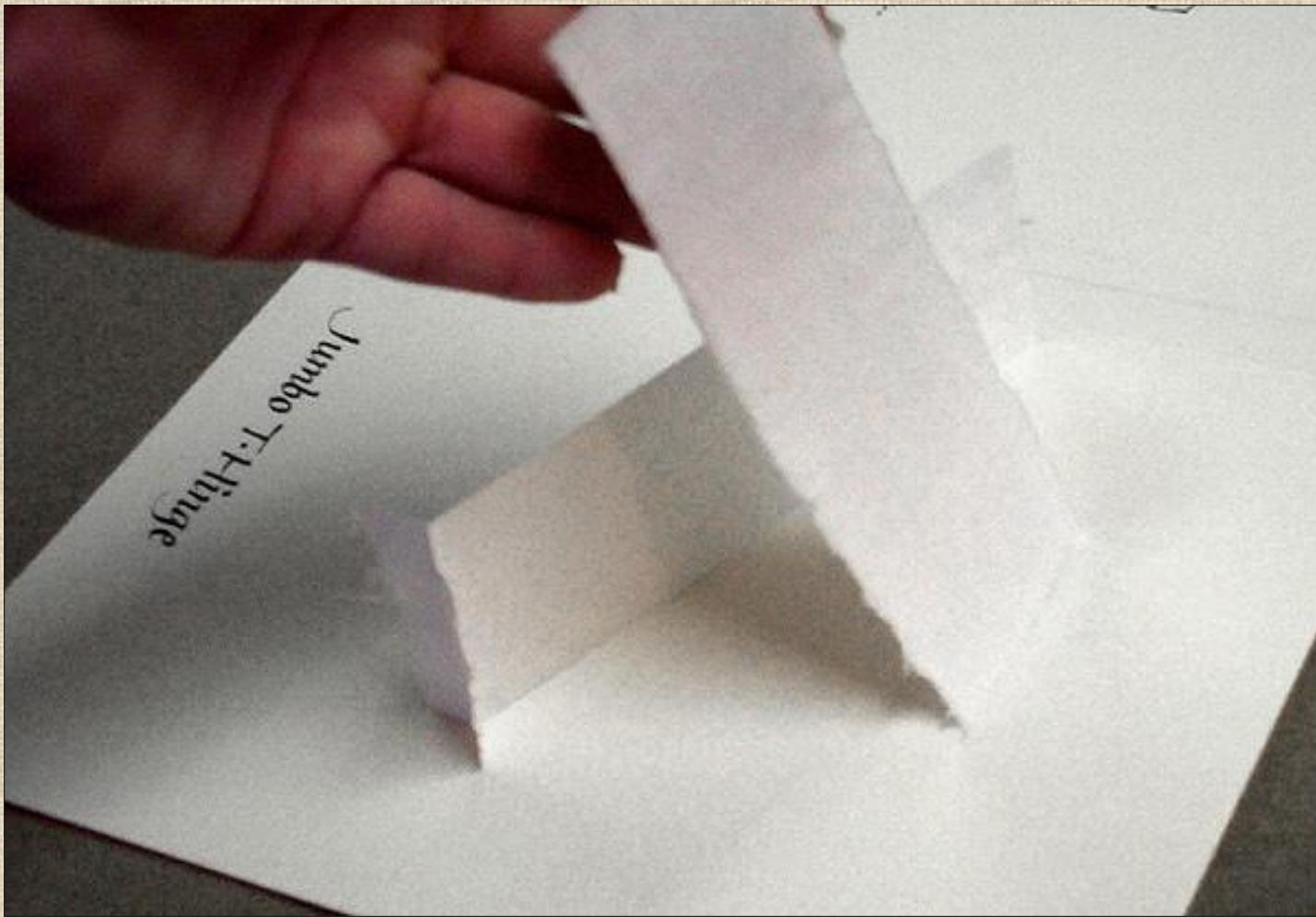
T-Hinge



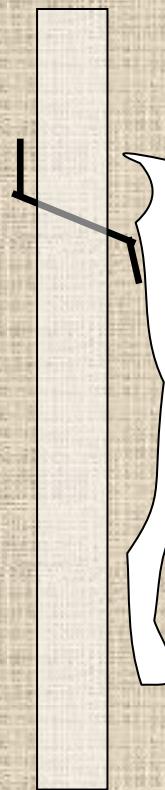
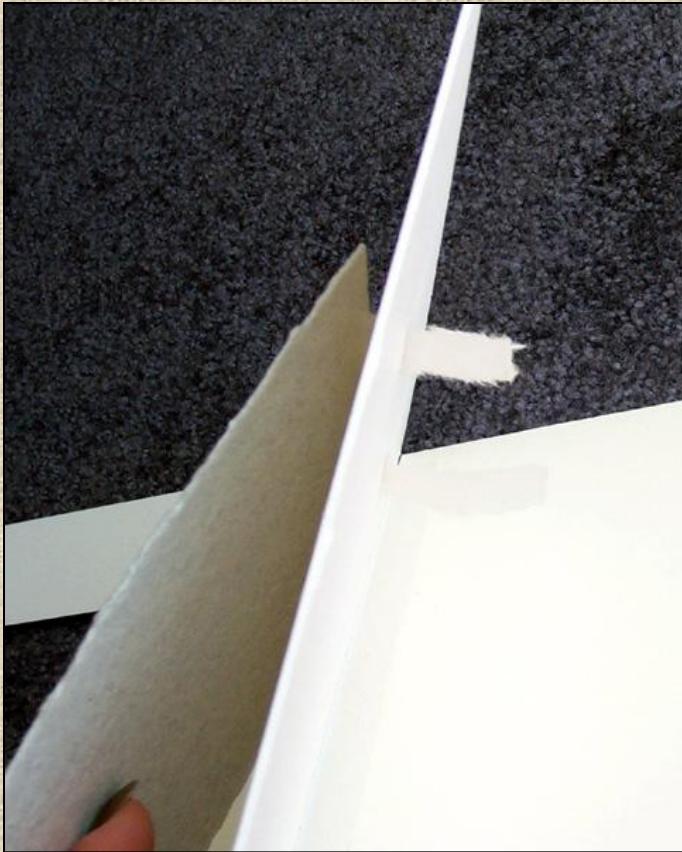
# V-Hinges



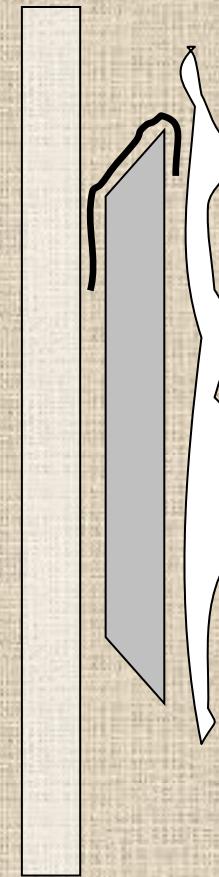
# Jumbo Hinge



# Float Hinges



S-Hinge



Pedestal Hinge or  
Elevated Float

# Elevated Float



# Encapsulation

- Look for bow in Melinex
- Art should be 1/8" from mat



# Papercut Art



# Art of Papercutting

Chien chih – China Han Dynasty  
206 B.C. to A.D. 220

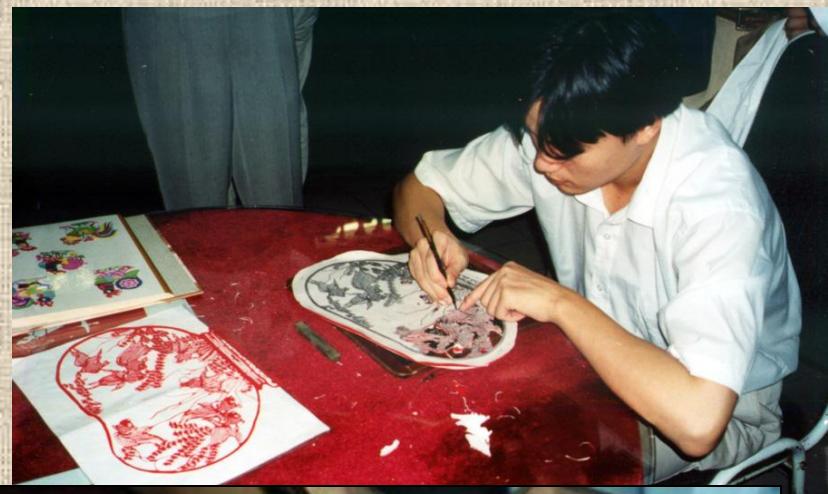
Monkiri – Japan

Scherenschnitte – Germany

Wycinanki – Poland

Knippen – Dutchland

Sold for  
\$25 USD unframed  
\$30 USD framed

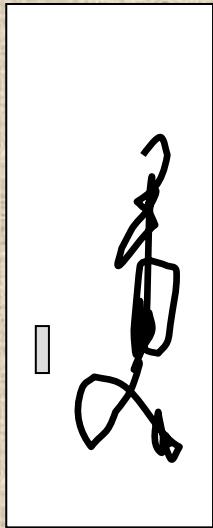




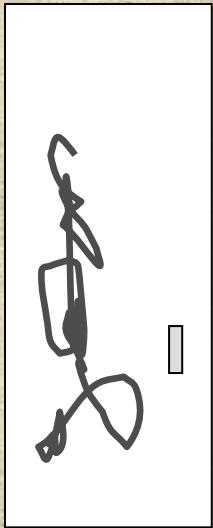


# Starch Paste Kozo Backing

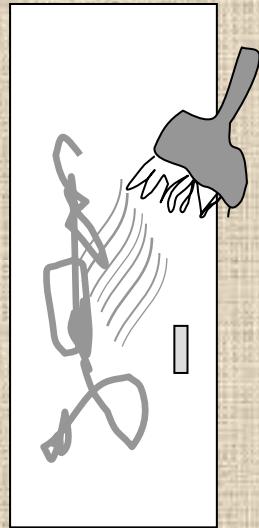
# Kozo diagrams



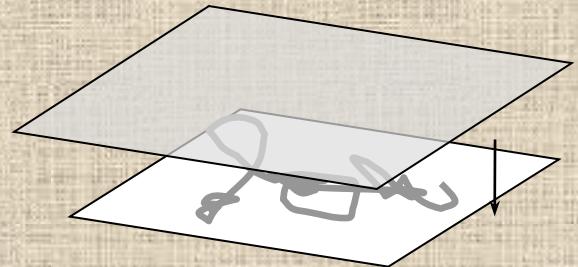
Original art



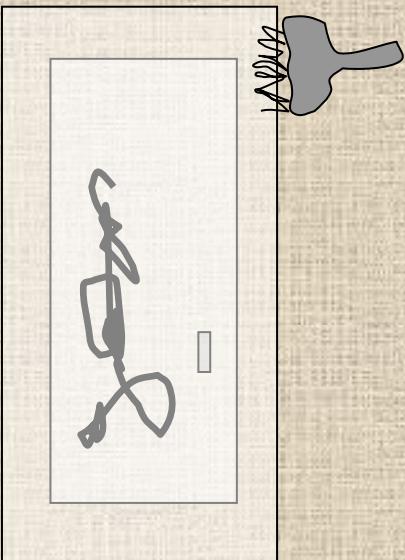
Mist table, lay art  
face down, brush to  
wet and flatten



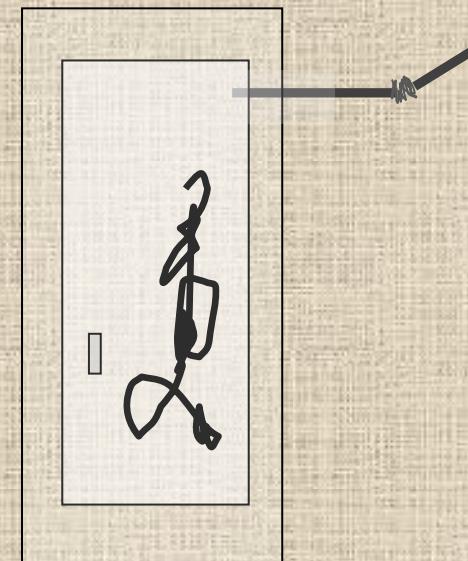
Brush with  
starch paste



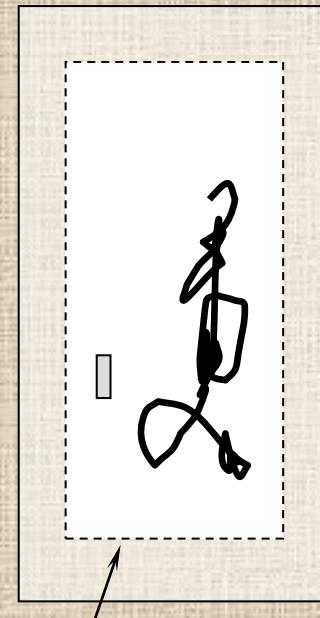
Lay kozo backing  
over pasted art,  
brush to fuse layers



Apply 1/2" paste  
along outer edge to  
adhere to window



Transfer backed art to clean surface,  
insert small paper tab under one corner,  
blow air beneath art (with a straw) to lift  
off table, let dry overnight



Trim backed art to the  
edges of the original

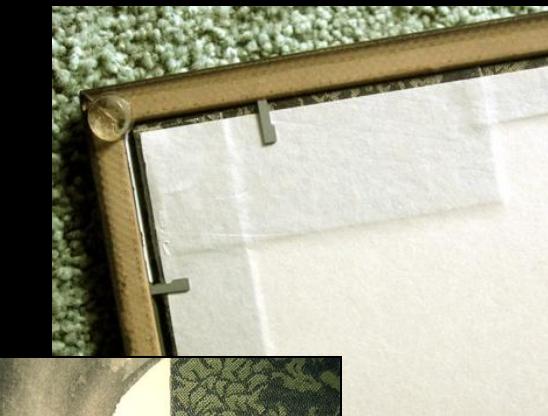
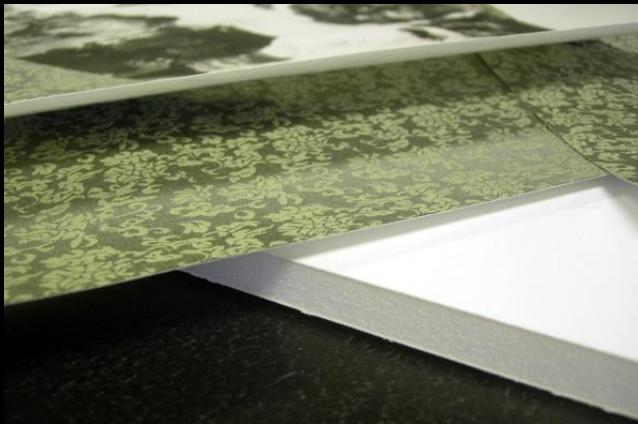
# Traditional Scrolls

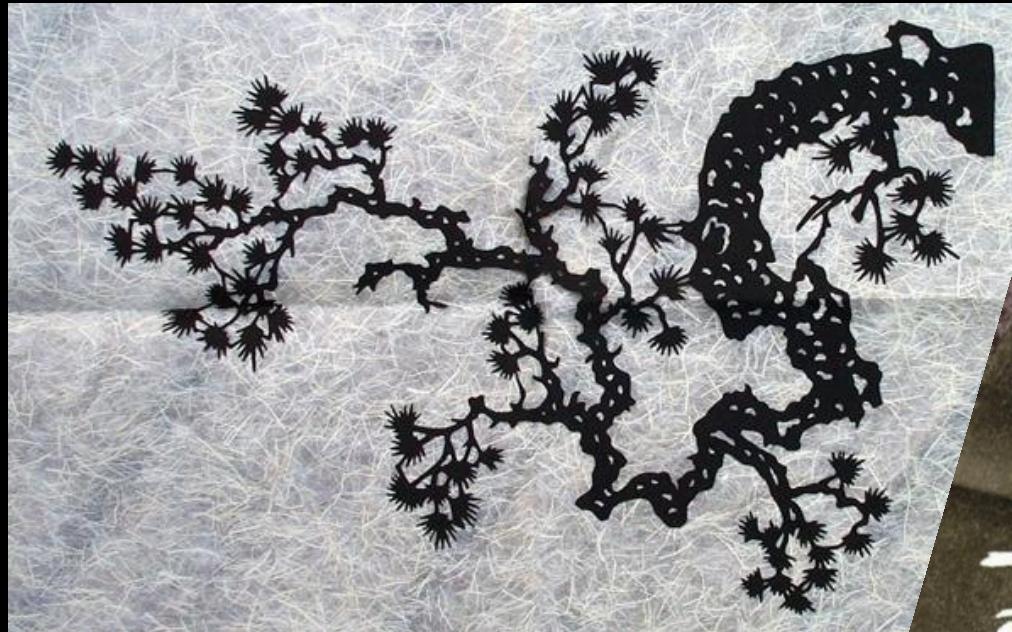


## Western Scroll Mount



# Rigid Scroll Mount





## Crease Removal Options

- Heat Pressing
- Humidifiers
- Asian Wet Method

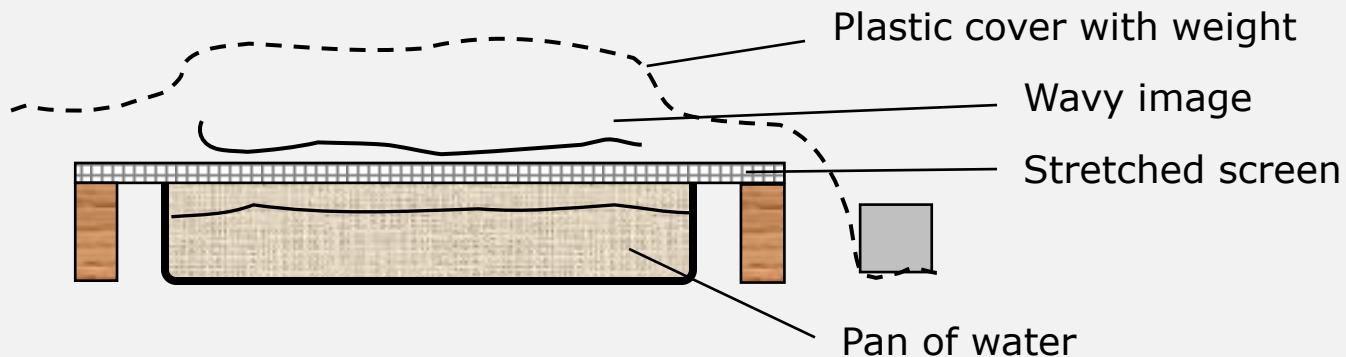


# Asian Wet method

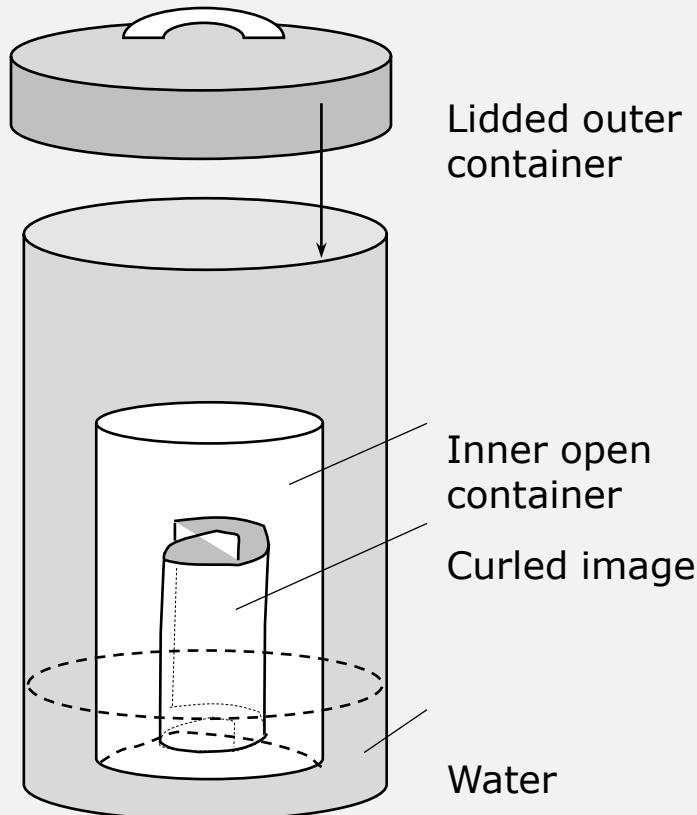


# Horizontal (flat) Humidifier

- Relax the base paper, allowing for gentle waves to be flattened.
- Filled a shallow, flat tray with warm water.
- Cover with a sheet of clean fiberglass screening across the top.
- Either stretched to a strainer or weighted to hold the edges down.
- Lay image on the screen, cover with a sheet of plastic, and weight edges.
- After the moisture has been allowed to penetrate place between blotters and weight at least 24 hours.

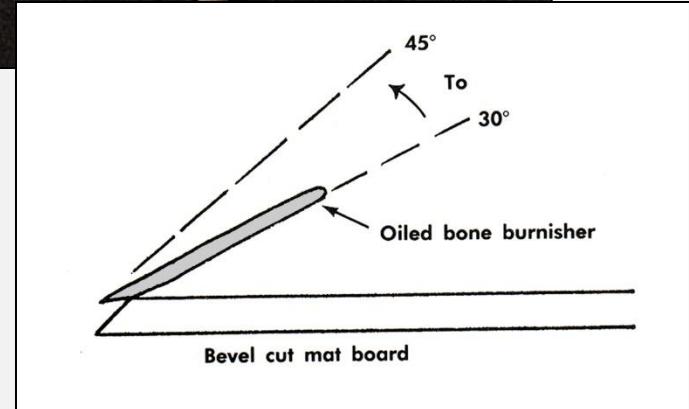


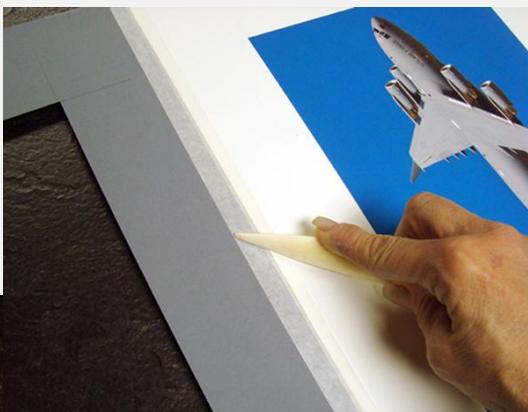
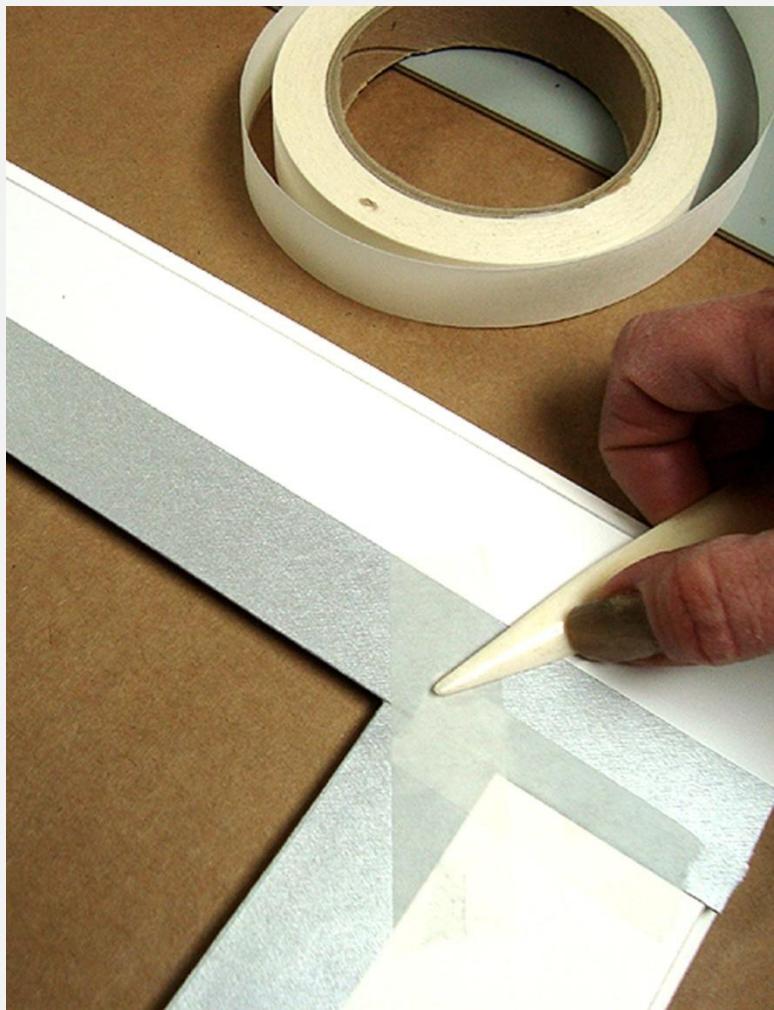
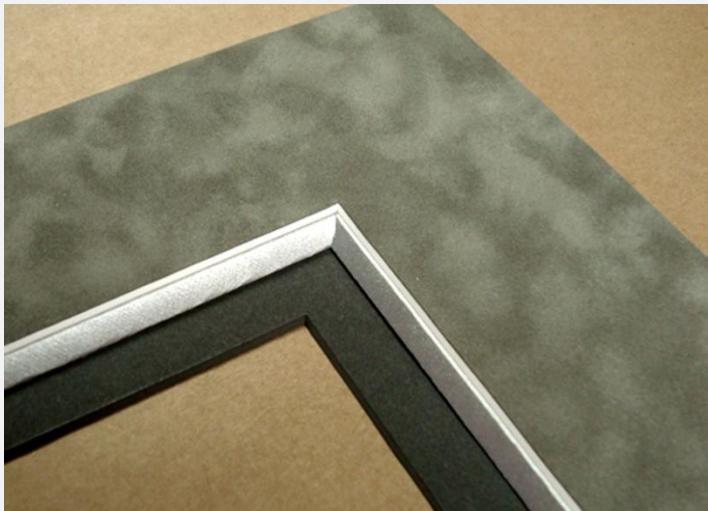
# Vertical (rolled) Humidifier



- Rolled prints require more time to absorb and relax the paper base.
  - Place a small open top plastic container into a larger plastic container.
  - Surround with 2-3 inches of warm water in the bottom.
  - Place the rolled paper into the smaller dry container.
  - Close outer lid and let paper absorb moisture a couple of days.
- When soft and limp, unroll, flatten, and dry between blotters under an even flat weight.

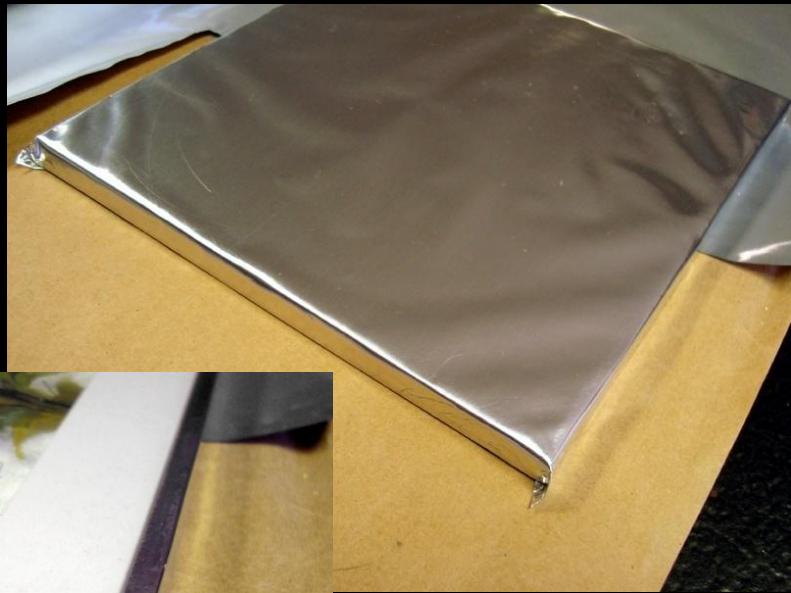
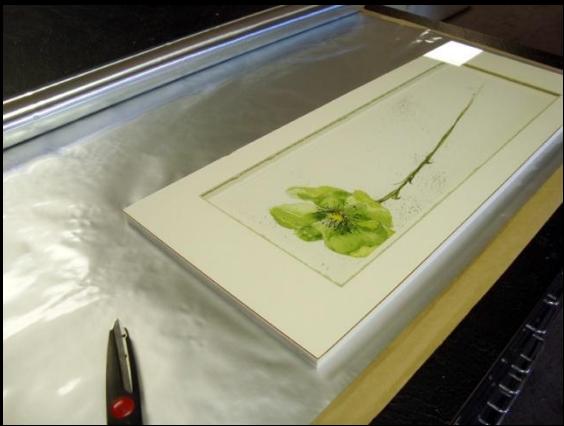
# Burnishers





# Sealed Mount Package







## MarvelSeal 360

- Multi-layer 5 mil aluminized nylon and polyethylene material resists water vapor when heat-sealed.
- Line wood shelves, shipping crates and exhibit cases with this flexible barrier film.
- Create an anoxic micro-environment for long term storage.

Gaylord  
Hollinger Metal Edge  
Talas  
University Products

<http://www.gaylord.com>  
<http://www.hollingermetaledge.com>  
<http://www.gaylord.com>  
<http://www.universityproducts.com>

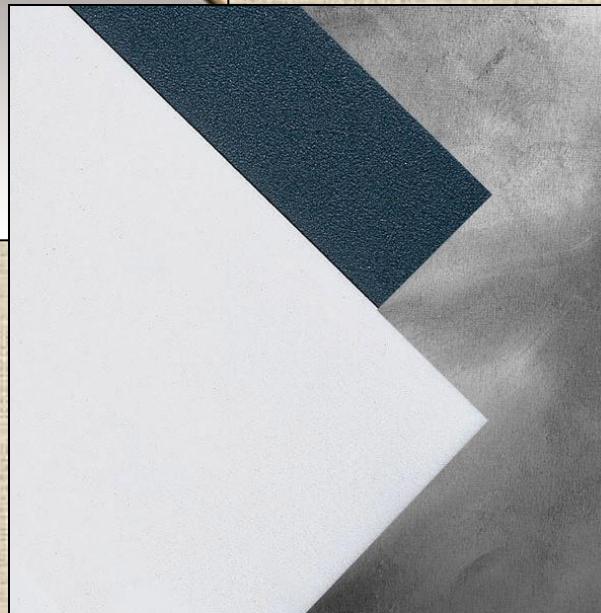


<http://www.talas.com>

Samplebook of Dartek, MarvelSeal 360,  
Corrosion Intercept Film, Tyvek, and Volara Foam

## Volara Rabbet Tape

- Inert .0313" thick foam tape features an aggressive acrylic adhesive for lining frame rabbets.
- Protects canvas transfers, digital media and other forms of art by providing a cushion. Each roll measures .25" wide x 36 yards.



PVA  
vs.  
EVA





**Polyvinyl acetate (PVA)**  
is a rubbery synthetic polymer.

- A type of thermoplastic which may resoften when reheated, but is not water soluble
- Referred to as wood glue, white glue, carpenter's glue, school glue, Elmer's glue or PVA glue.



PVA

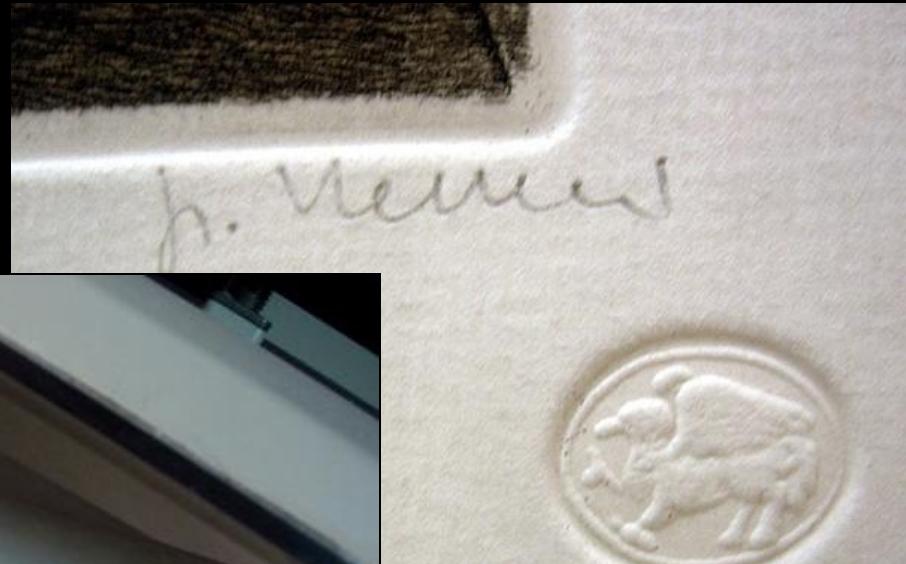
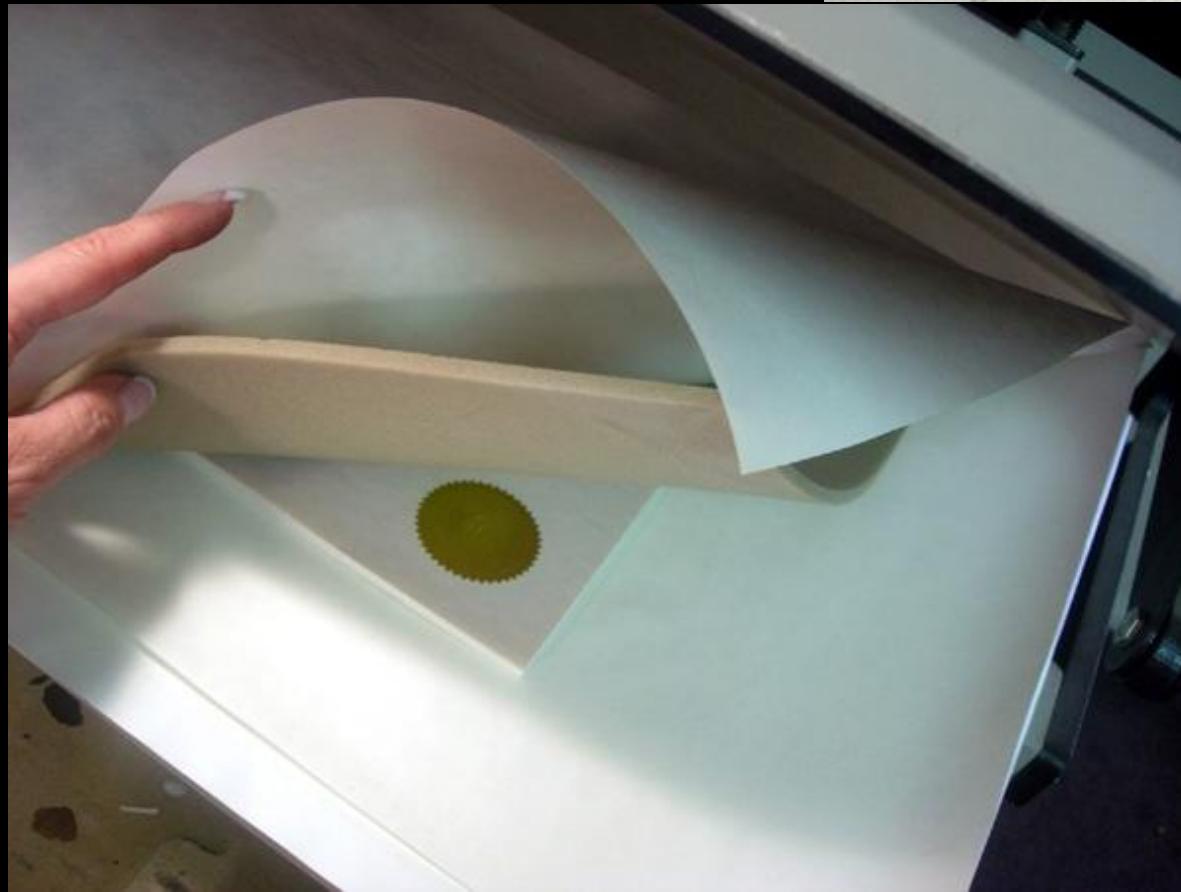


**Ethylene vinyl acetate (EVA)**  
is the copolymer of ethylene and vinyl acetate.

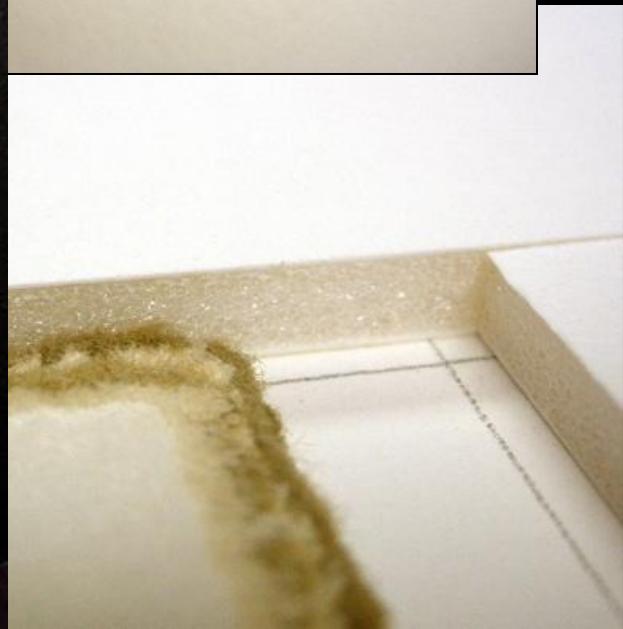
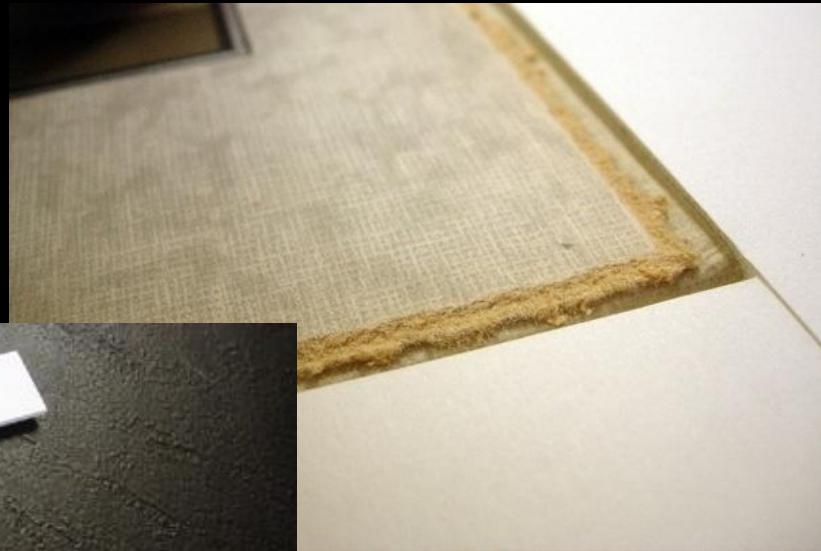
- Acid free, archival adhesive reversible with water after dry
- For conservation applications
- For bonding paper, board, fabric, canvas, leather and films to other like surfaces.
- Dries quickly to a clear flexible film, and is easily cleaned up with water.
- Jade 403 is not reversible

Jade R - EVA

# Sponge Mount

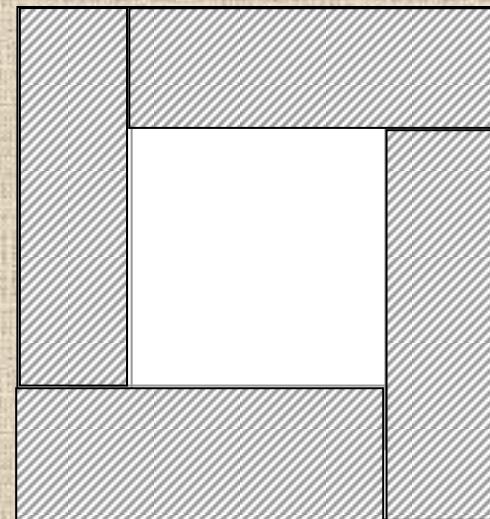
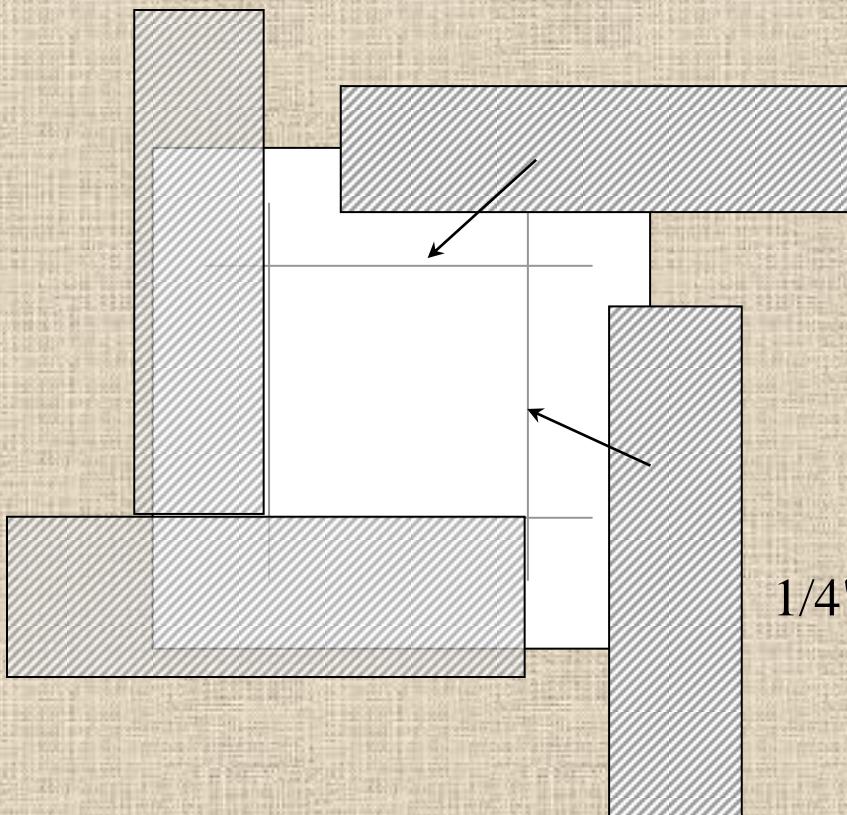


# Sink Mount



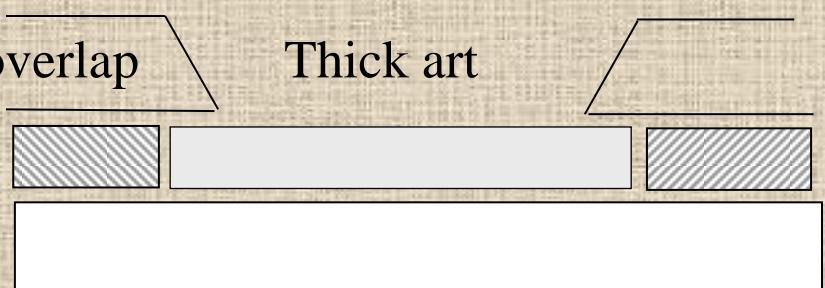
# Sink diagrams

Strips glued to backing,  
trimmed flush to edges



1/4" overlap

Thick art



# Sink Mount encaustics





Wax Saturated

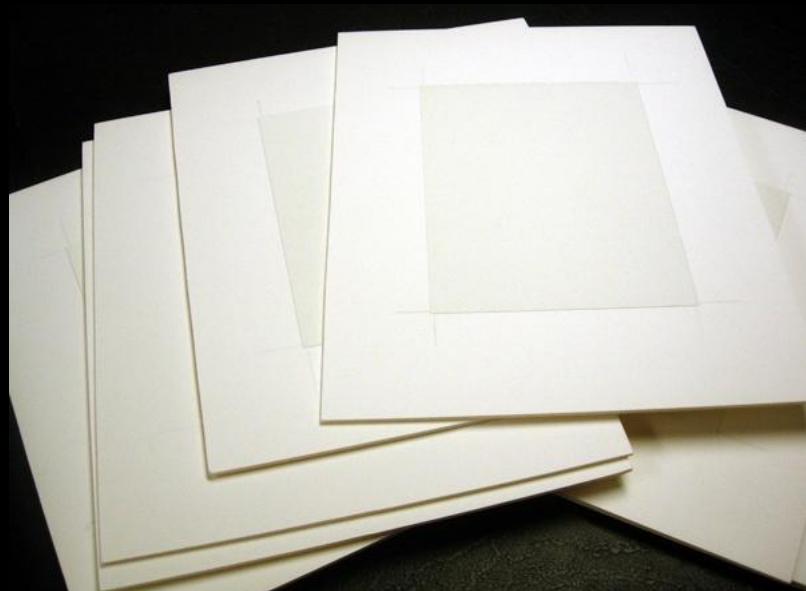


# Spaced or Lifted Mount



## Original Pastels

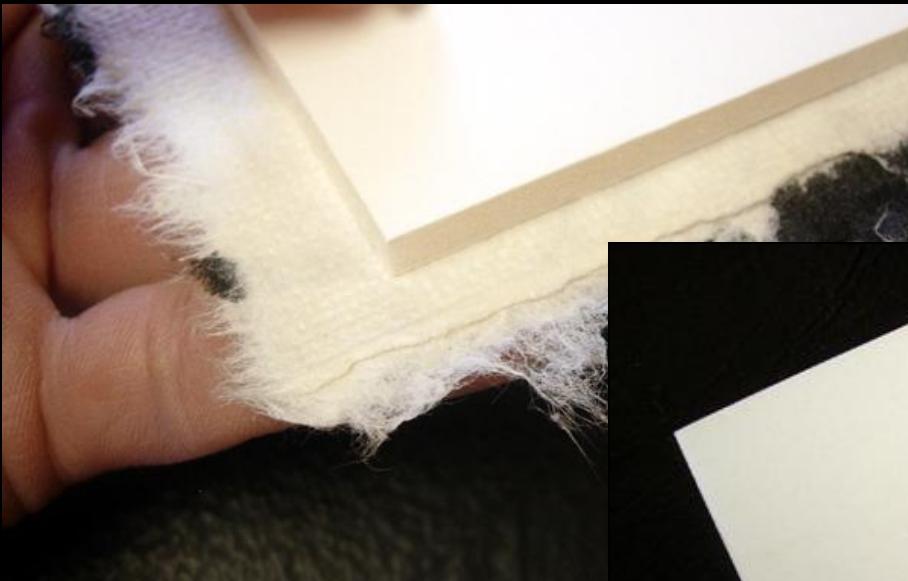
- Reverse bevels
- Lifted from surface





# Cockled Papers

# Elevated Deckle Mount

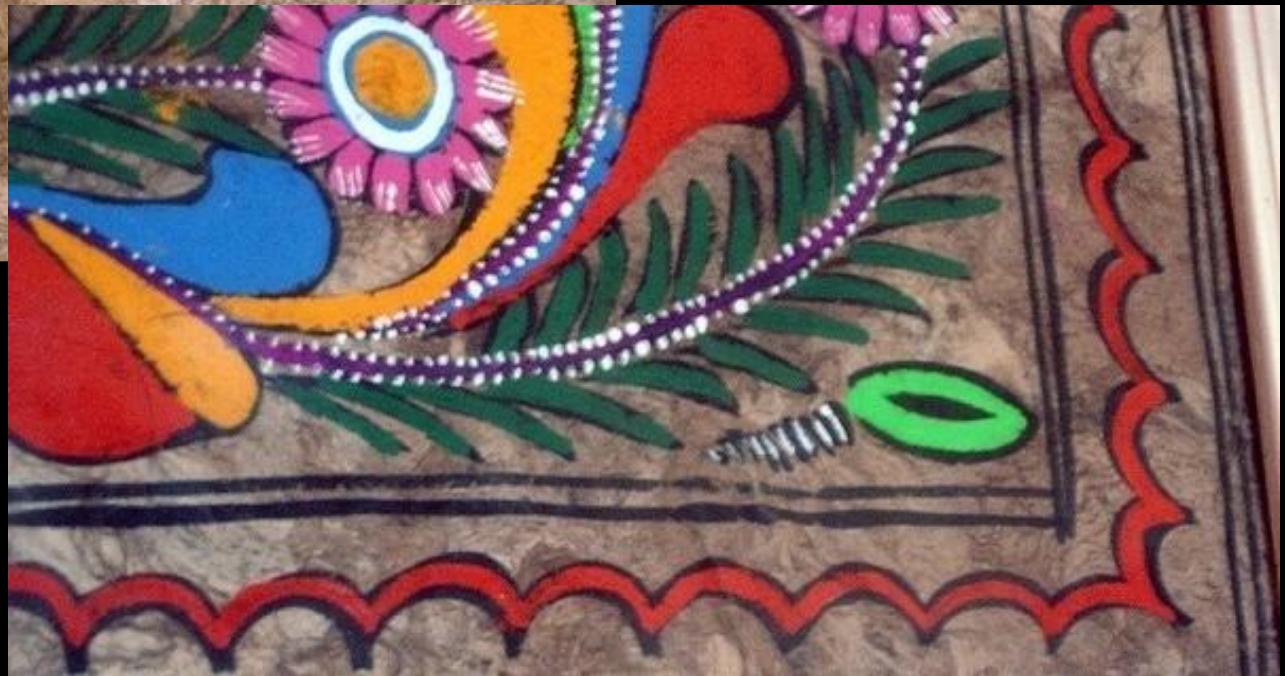




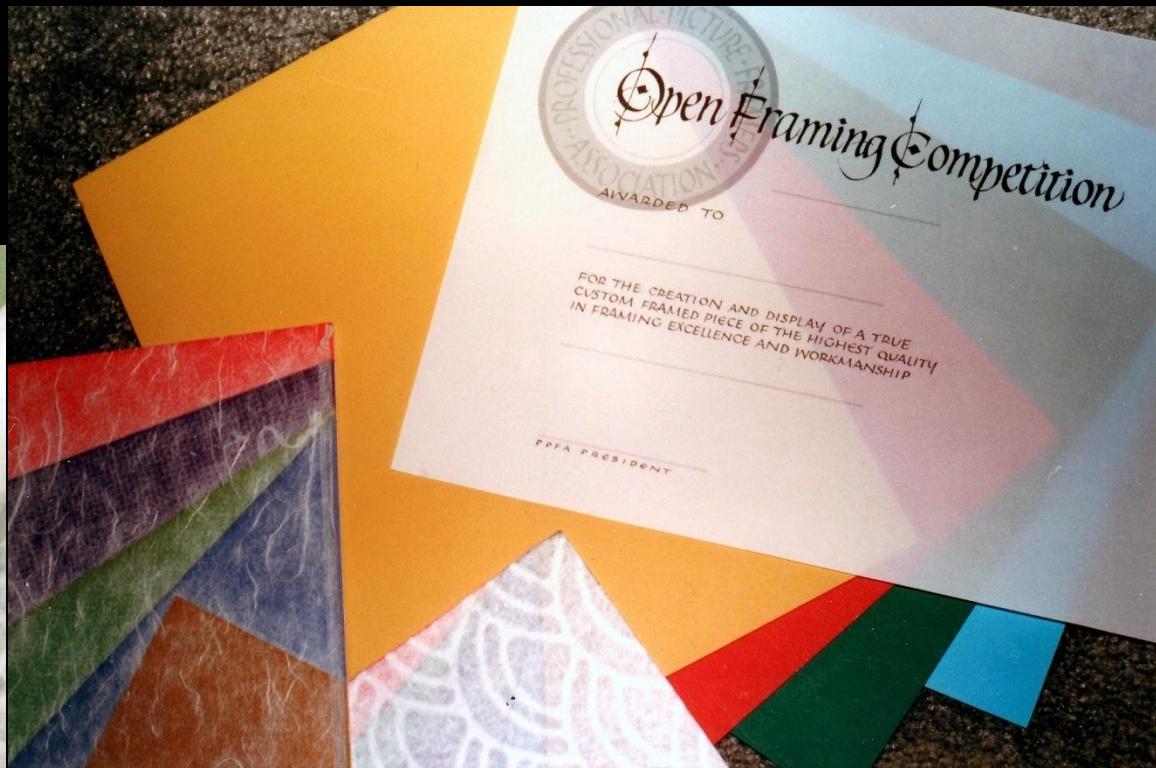
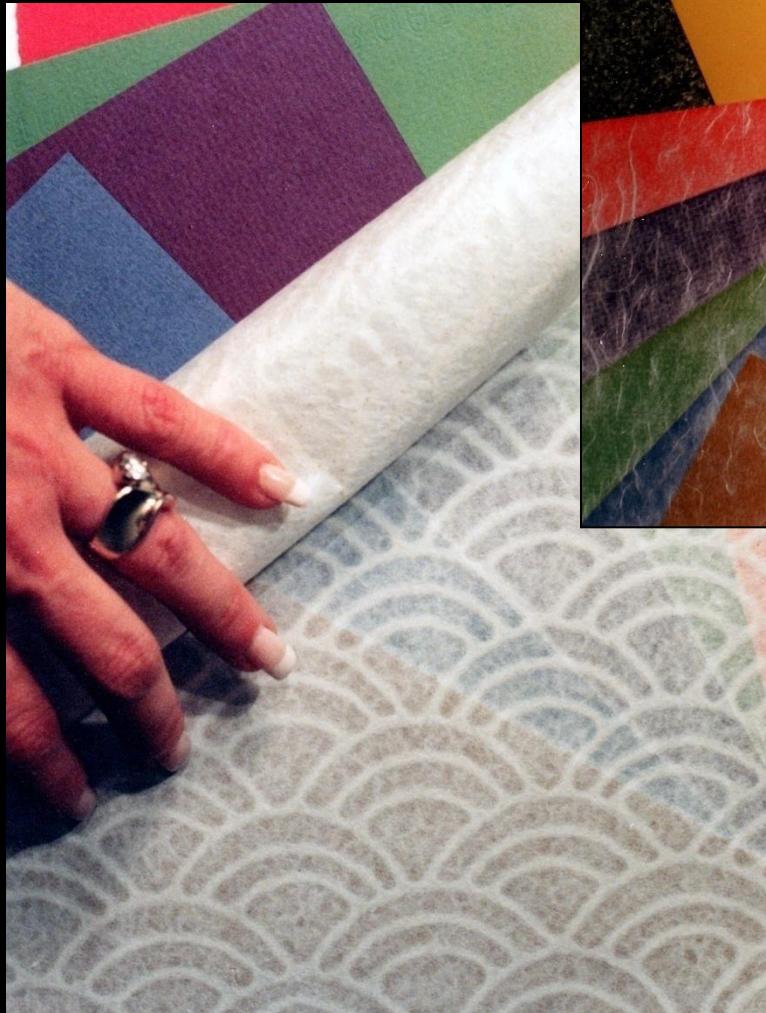
Papyrus



# Amate Mexican Bark Paper



# Tinting

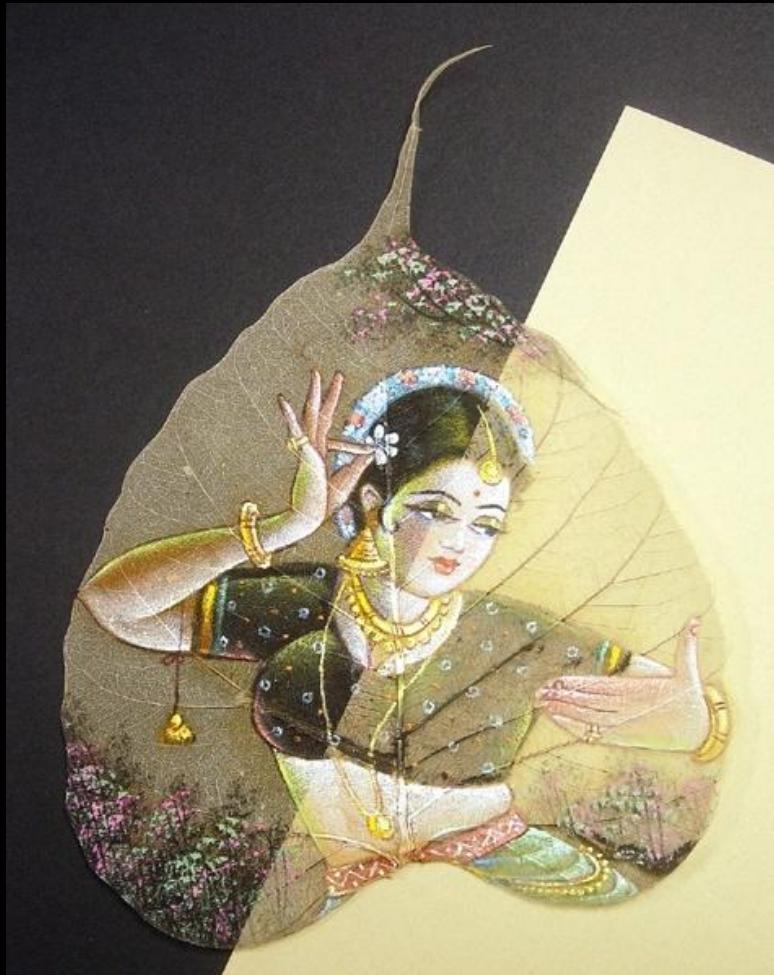




# Ghosting



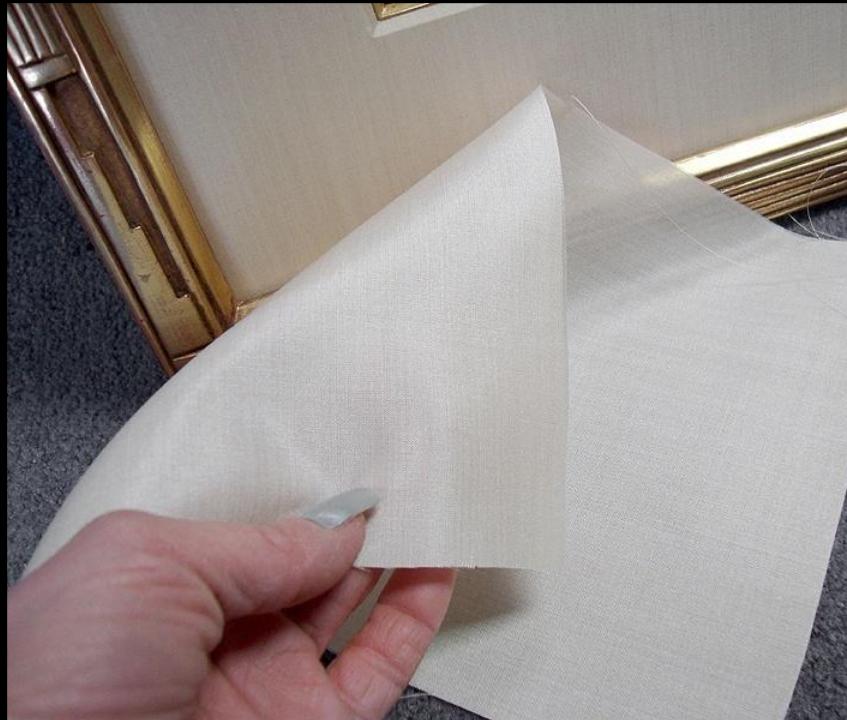
# Sheers: Tinting and Ghosting



# Dot Mount Painted Bo Leaf



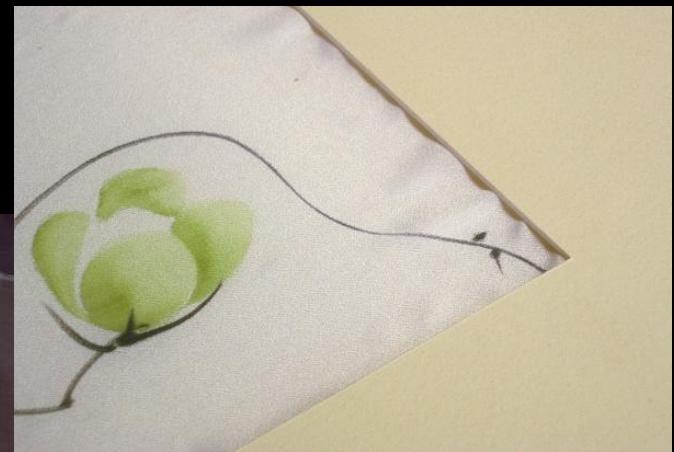
# Wet/Dry Mount – reactivated adhesive





# Static Mount

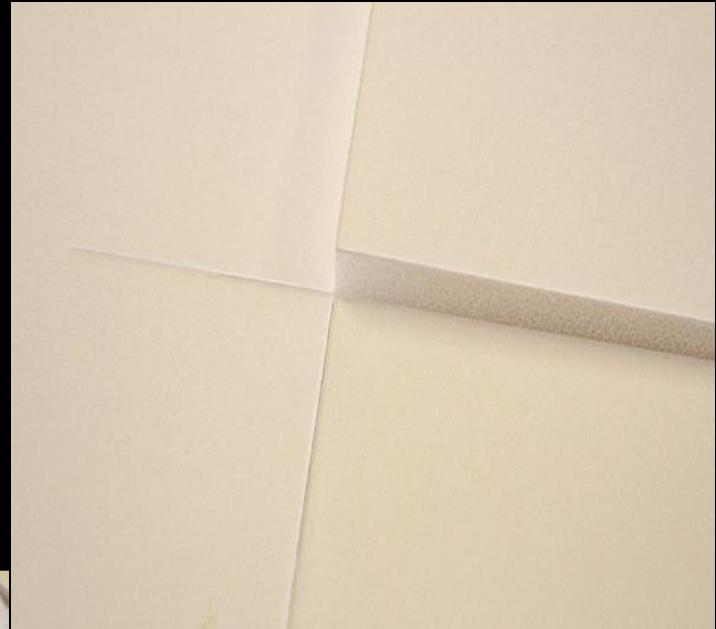
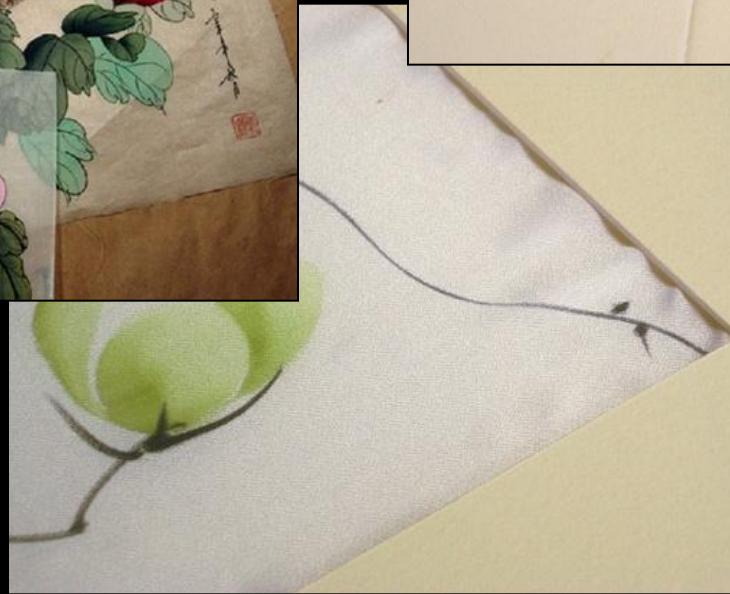
Silk and Polyester



# Static Mount Polyester film



# Tension Mount



# Fitted Mount





# Silicone Mount



- Four 1/4" Turkish tiles
- To 1/4"-1/2" acrylic sheet
- Lift tiles with acrylic rounds, or
- Large 1/4" thick globs of silicone
- Drill holes in mount acrylic for silicone to squeeze through
- Lifted tiles allows for keyhole

## Silicone Facts

- AF version used with electronics
- Does not outgas, neutral cure, one-component, low odor
- RTV6708 Multi-Purpose  
Neutral Cure Sealant #06904817
- MSC Direct <http://mscdirect.com>

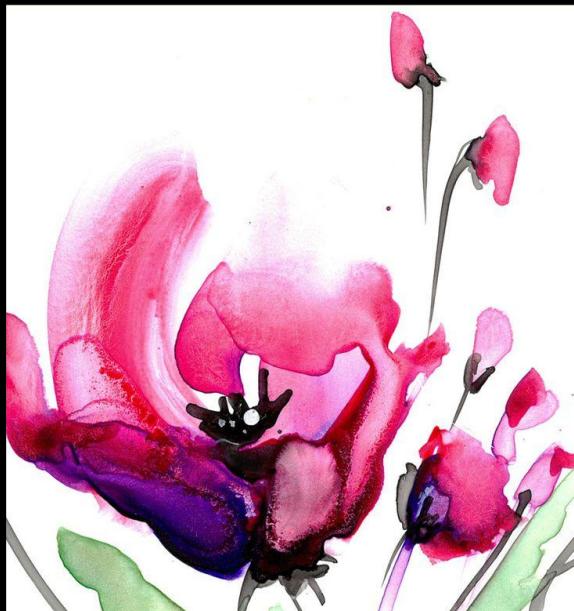


# Yupo

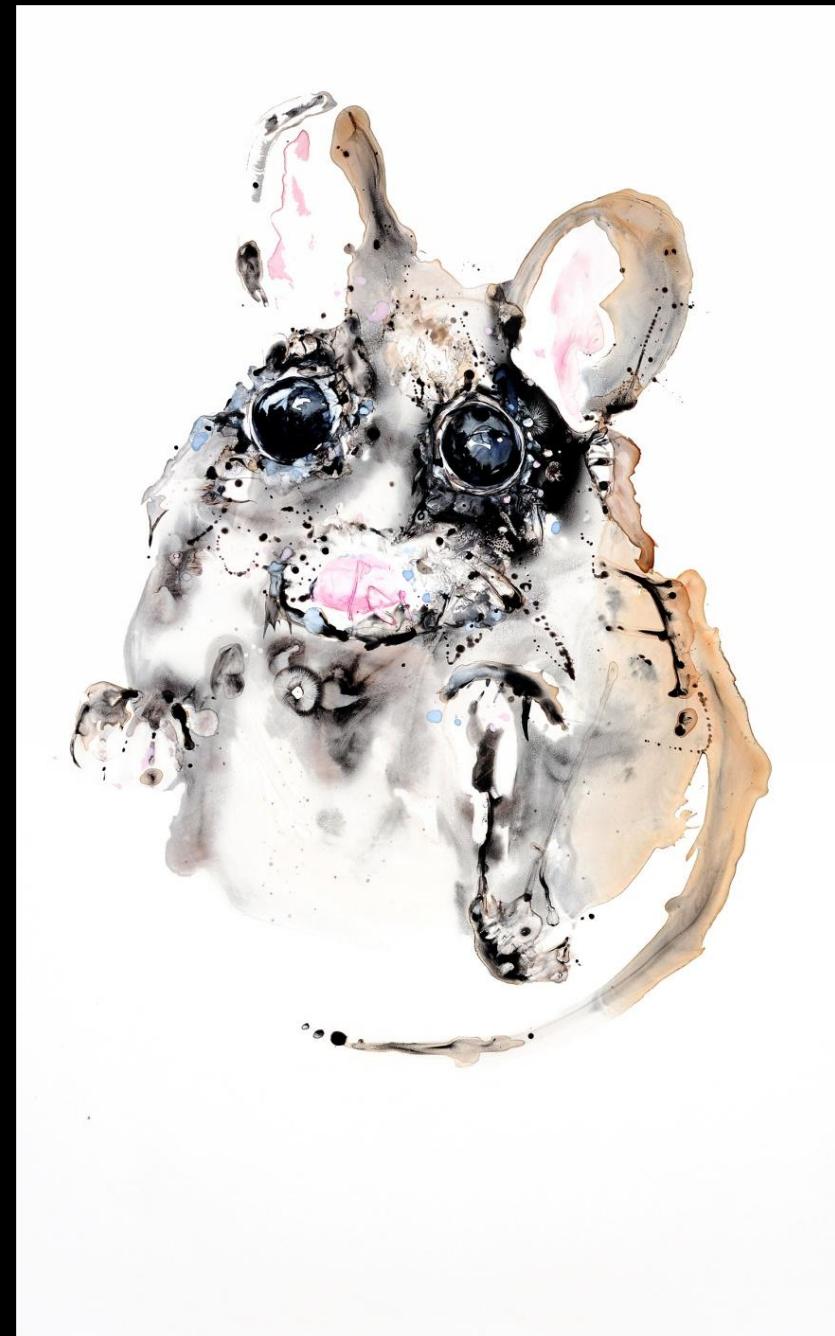


- Neutral pH, smooth, non-absorbent, waterproof, 100% recyclable, tear- and chemical-resistant, tree-free sheet.
- Extruded polypropylene pellets.
- Signage, design, packaging, labeling.
- Three layers: sheer surface (top) and base (bottom) layers formed during the extruding process, bonded to a heavier carrier.
- May be split if not handled correctly, often removing ATG.

- Wipes clean.
- Paint the negatives.
- Yellows with UV light



*Challenge Yourself*  
by Tina Dille  
26x40" watercolor on 144# Yupo



# Dry Mounting

- Not all HA boards are Yupo friendly.
- Heat may be a problem with some synthetics, test prior to mounting.
- MountCor and MountCor Canvas 130°F Yupo.
- Omega/M&M Heat Activated Mount (HAM) 170F; Bainbridge Heat Activated Foam (HAF) 160F-180F; both bond OK.
- Countermount boards larger than 24x36".
- Surface sensitivity for flush mounts with no protection against surface denting by objects being leaned against it.



## KoolTack InstaMount

- Aluminum Composite (ACM)
- Gator Board
- Mighty Tough

## Coda P-S

- Hardboard
- Gator – 1/2", 1/4"  
countermounted
- Sintra



# Mounting with PSA and RL



P-S adhesives on assorted substrates (top to bottom):

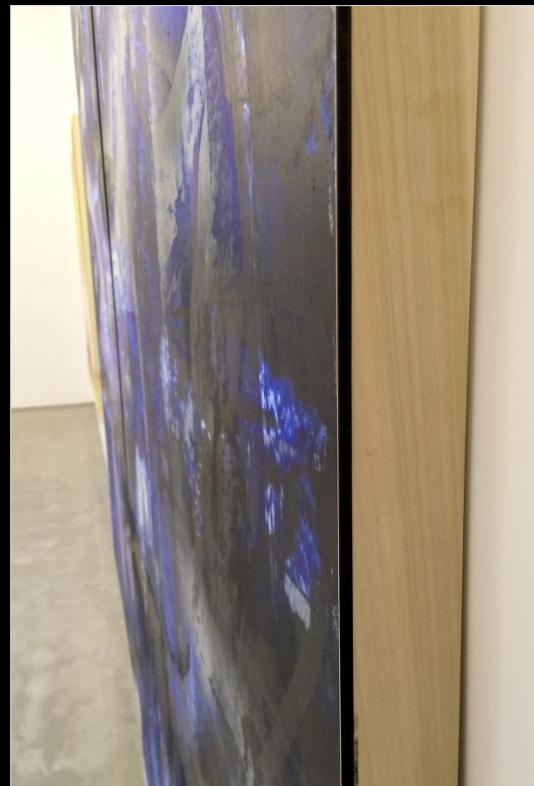
- Acrylic
- Gatorboard -1/4"
- Gatorboard -1/8"
- AMC
- Hardboard – 1/8"
- Coated Ampersand 3/8"

© 2014 The Mounting Doctor, Inc.

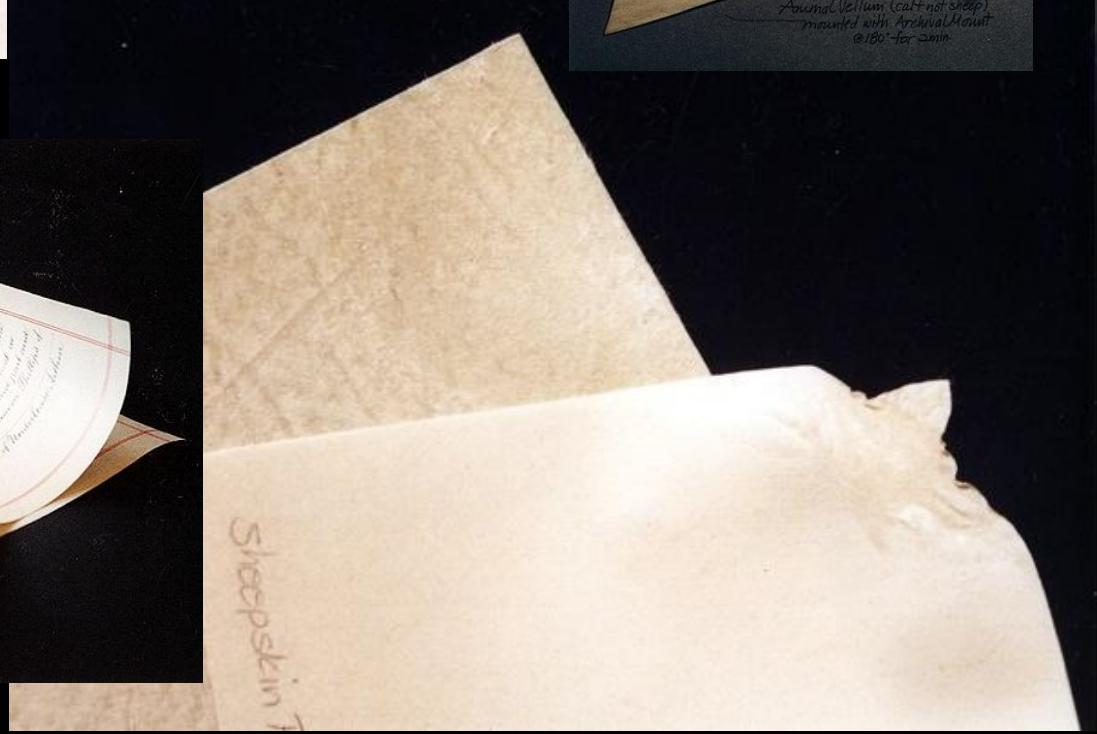
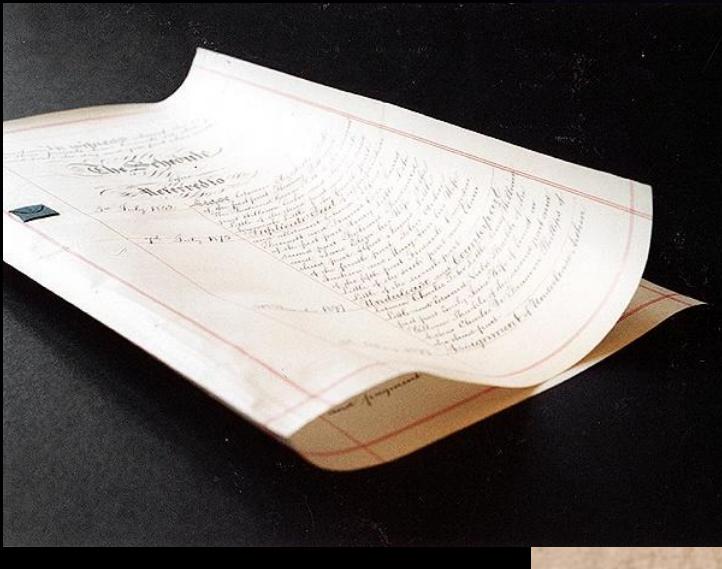
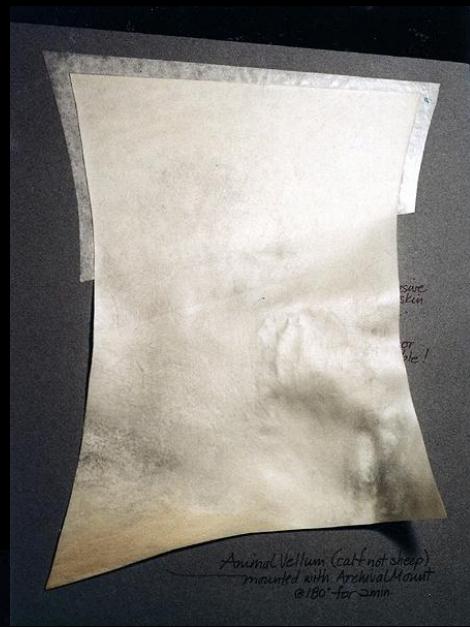
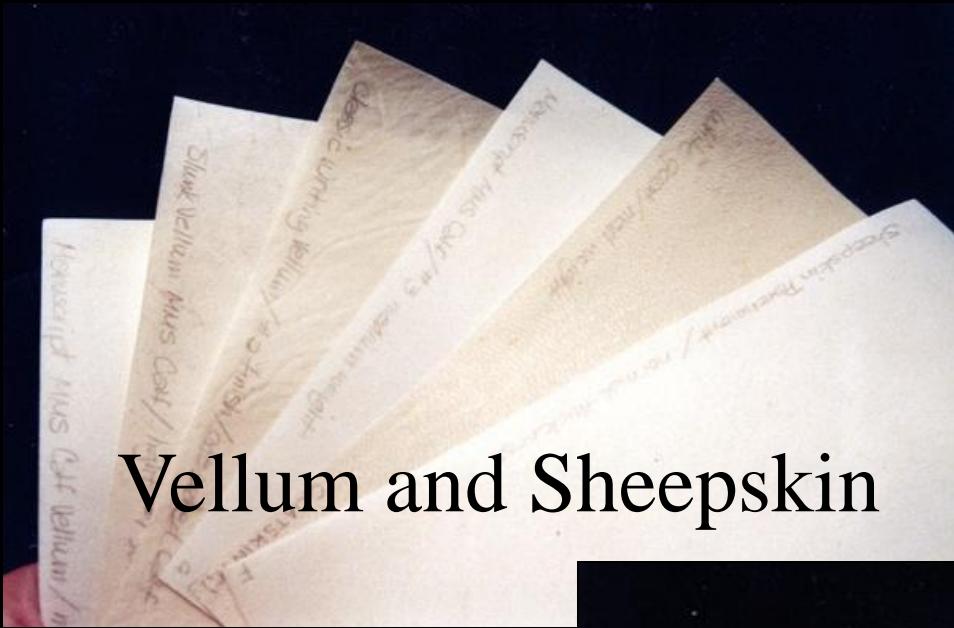


Yupo 4'x8' sheet--with  
acrylic and spray paint—  
P-S mounted to black  
Sintra on cradle with RL.

*Artist Chris Truman*



# Vellum and Sheepskin



# Suggested Mounting Chart

## LEGEND

X Approved process  
 x Marginal approval / test first  
 T Type of mounting technique  
 R Reversible dry mount (Restore)  
 A Preservation alternative  
 s Sink mount  
 S Static mount  
 C Corners, pockets, edge strips  
 L Lacing  
 M Mylar, polyester encapsulation

	Mounting Technique	Preservation Alternative	Preservation Hinges	Starch Paste	Wet Glue (by hand)	Spray Mount (by hand)	Pressure-Sensitive Film	Pressure-Sensitive Board	Cold Vacuum Mount	Dry Mount	HA Laminate Tolerance	P-S Roller Laminator	HA Roller Laminator
Bark Painting	s	X											
Black & White Photograph	C	X				X X X X X X X X							
Brass or Stone Rubbing	C	X				X X		R					
Blueprint / Cyanotype						X X					X		
Canvas Transfer			X						X X		X X		
Certificate (replaceable)					X X X X X X X X					X X X X X X X X			
Charcoal Drawing	C	X X								R			
Chromogenic RC Photograph			X			X X X X X X X X							
Cibachrome (static mount)	S	X											
Collage (flat paper)	C	X X X X X X X X									X X		
Color Tinting	T		X X X X X X X X						X X X X X X X X				
Diazo Blueline			X				X X		X X X X X X X X				
Digital Canvas-DE						x			x		X X		
Digital Photo-DE (RA-4, dye sublimation)			X			X X X X x				X X			
Dye Sublimation-DE	C	X				X X X X X X X X							
Embossed Art or Lettering	s	X											
Encaustic (on rag board or hardwood)	s												
Fabric Wrapping	T		X X						X X				
Face Mount	T									X			
Fax (thermographic)			X			X X X				X			
Fiber-base Photo (silver gelatin B&W)	C	X X X X X X X X				X X X X X X X X							
Flat, Plain or Flush Mount Photograph	T		X X X X X X			X X X X X X				x			
Float Mount	T	X X X X				X X X X			X X X X				
Gelatin POP (cabinet card photo)	s												
Giclée Limited Edition	C	X						R					
Giclée Canvas						X				X X			
Ghosting	T		X X X X			X X X X			X X X X		X X X X		
Heavy Fabrics (raw canvas)			X X						x	X			
Holograms	C	X				X X				X			
Inkjet Piezo (porous coating)	C	X				X X		X x X X					
Inkjet Thermal (swellable coating)	C	X				X X			X				
Kozo Backing	T		X										
Laser Print / Copier (B&W)	X X					X X				X			
Laser Print / Copier (color)	X X					X X				X			
Liquid Toner (digital press)	C	X				X X		X	X X X				

## LEGEND

Cold vacuum = wet, spray, P-S.  
 DE = digital exposure

	Mounting Technique	Preservation Alternative	Preservation Hinges	Starch Paste	Wet Mount (by hand)	Spray Mount (by hand)	Pressure-Sensitive Film	Pressure-Sensitive Board	Cold Vacuum Mount	Dry Mount	HA Laminate Tolerance	P-S Roller Laminator	HA Roller Laminator	
Magazine Page (two-sided)			X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	
Montage (created by framer)					X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	
Monoprint	C	X											R	
Needleart	L													
Newspaper Text (two-sided)	C	X X X X X X X X				X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X
Offset Lithograph - Open Edition	C	X X X X X X X X				X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X
One-sided Text Flier	C	X X X X X X X X				X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X
Original Art (graphite)	C	X X												
Oversized Photograph									X		X X	X X	X X	X X
Oversized Open Edition									X		X X	X X	X X	X X
Papercut Art	M													
Papyrus Painting	S	X				X						X		
Pastel									X					
Parchment or Sheepskin	C	X									x	x	x	x
Plain Mount							X X		X X		X X	X X	X X	X X
Polaroid	S	X												
Polyester Encapsulate									x		x	x	x	x
Poster							X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X
Premount	T								X X		X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X
Puzzle								X X		X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X
RC (chromogenic) Photograph						X				X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X
Sanded Paper (blank) for Pastel														
Self-Shaping	T							X						
Serigraph (silkscreen)	C	X										R		
Signed Limited Edition	C	X										R		
Sheer Fabrics								x x				x		
Silk Embroidery	L						x							
Silk Scarf	S													
Sumi Painting (black ink)						X X								
Thermographic Tickets						X				X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X
Textured Decorative Papers							X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X
Translucent Rice Papers						X X X X X X X X				X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X
Two-sided Polyester Encapsulation	T													X
Vellum Animal Skins	C	X												
Watercolor (Chinese on rice paper)						X X			X					
Watercolor Paper (unpainted)	C	X X X X									X			

# **Other Paschke WCAF 2018 Classes**

**Design Elements: Understanding Color**

Tuesday, January 24, 9:00am-11:00am

**Mastering Mounting: Creative Mounting Lecture**

Tuesday, January 24, 12:30-3:00 pm

**Mastering Mounting: Creative Mounting Workshop**

Tuesday, January 24, 3:30-6:00 pm

**Design Elements: Shades of Gray**

Wednesday, January 25, 10:00 am-Noon

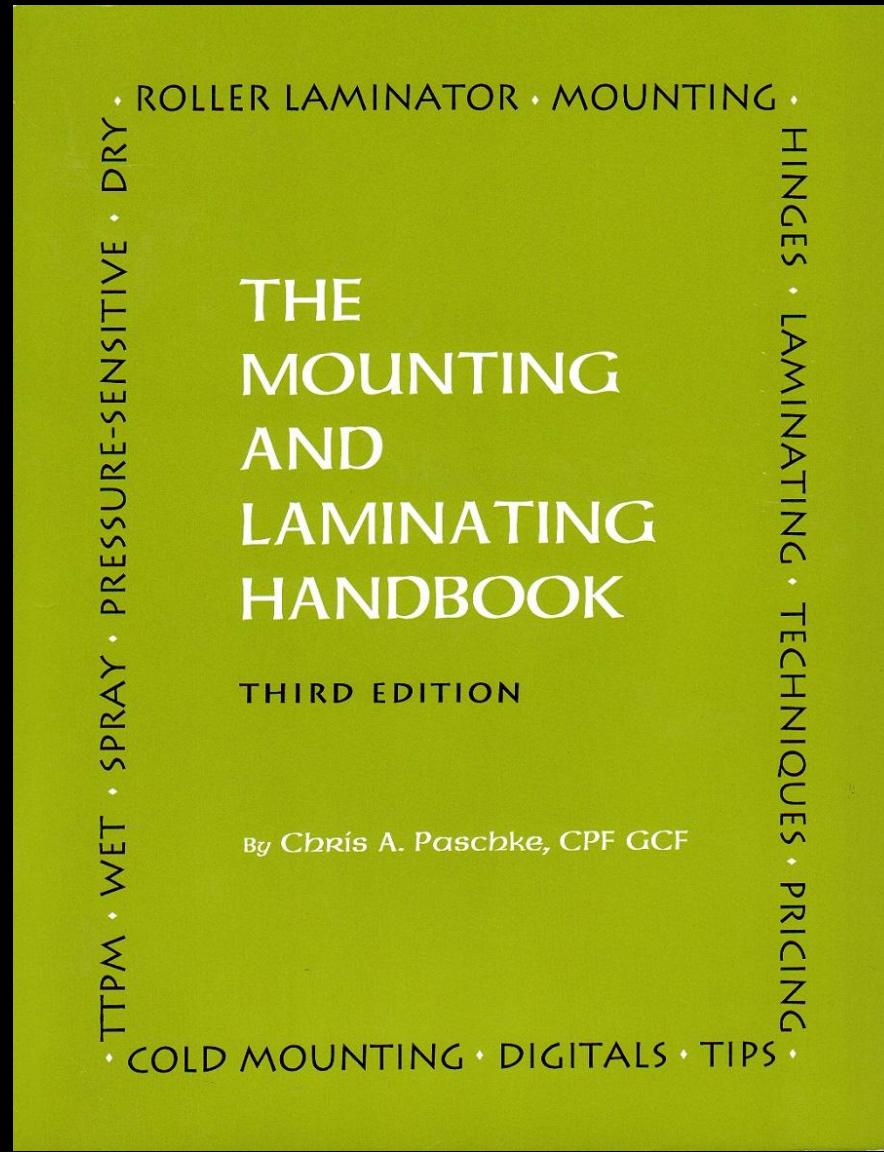
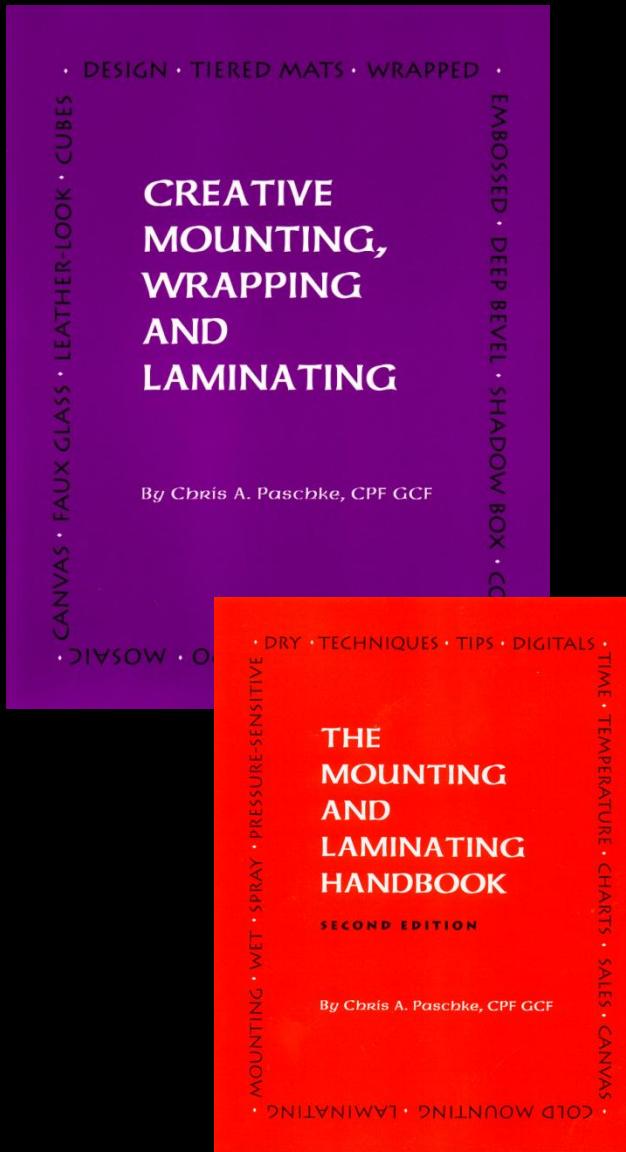
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