

ALPHARAG[®] ARTCARE[™]

S P E C I F I E R



The **absolute finest,**
most protective
matboard
in the world. Literally.

- ★ 100% Virgin Cotton
- ★ Artcare protection
- ★ Museum grade

Bainbridge[®]

ARTCARE™ Age-Defying Protection

Artcare products feature the patented MicroChamber® technology that provides a preventative conservation protection unavailable with other matboard. A unique combination of zeolites and buffers traps and neutralizes oxidizing gasses, other pre-acidic gasses, and degradative by-products – giving Artcare boards the ability to actively protect art and photographs against attack by external pollutants and internal vices.

Museum Quality Protection

Only Artcare offers active preservation for treasured art and photographs that your customers will value forever.	Artcare Archival Matboard	OTHER Conservation Matboard
Slows art and paper degradation	YES	NO
Neutralizes acid by-products	YES	NO
Protects against damaging pollutants	YES	NO
Acid-free and lignin-free	YES	YES
Fade and bleed resistant	YES*	YES*
Buffered to maintain alkaline pH	YES	YES

* Bainbridge audits every production lot to ensure conformance to industry standards for optimum fade and bleed resistance. Not all conservation matboards meet these stringent standards. Does not apply to fabric surfaces.

See the Artcare Difference



Artcare™ Archival Protection



OTHER Archival Protection

In independent lab tests, the images above were exposed to concentrated doses of nitrogen dioxide, the most common air pollutant. Both were tested in the same testing chamber for the same length of time. Neither were exposed to light during testing. The results prove the proactive performance of the Artcare Archival System.

Library of Congress study proves effectiveness of Artcare Technology

- The zeolite in Artcare **absorbs pollutants** more effectively than rag board without zeolites. Artcare boards outperform traditional museum board.
- Library of Congress tests prove that Artcare works in real-world air pollution concentrations
- Artcare boards **trap and hold** pollutants better than any other archival board
- **Meets Museum quality standards set by the Fine Art Trade Guild**

Artcare Technical Specifications

Furnish:

100% virgin alpha-cellulose fiber which meets the most stringent standards for stability and permanence. Tests conducted in accordance with TAPPI Method T-236 om-85 / ISO 302 indicate the board to be free of groundwood and lignin.

pH value:

An alkaline pH of 8.9 +/- .4 indicated using TAPPI Method T-509 om-88 cold extraction on slurried pulp.

Buffer:

Alkaline reserve of 3-5% measured by ANSI IT9.2-1991 Sec 5.2.

Molecular Traps:

Contains molecular traps synthesized specifically for adsorption of air pollution gasses and degradative by-products of artwork, photographic media and wood mouldings.

Lightfastness:

Fade resistance established using a Xenon Fadometer in accordance with ASTM D3424. Alphamat colors exhibit less than 2.5 point brightness shift.

Bleed Resistance:

No bleed visible after 48-hour submersion using method FACTS EXPMMB-2000 Sec.10.03.

Resistance to Aging:

Samples tested in air circulation oven for 12 days at 100°C and for 10 days in temperature humidity chamber at 100°F and 90% relative humidity. All board components remained unchanged in appearance and strength.

Sizing & Adhesives:

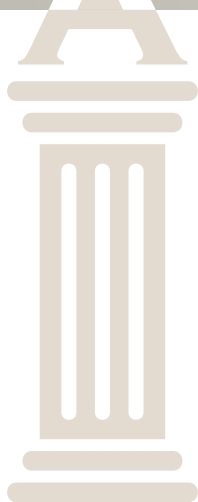
Water-based alkaline adhesive with no solvents is used to adhere component parts of Alphamat boards.

Alpharag Artcare Detailed Specifications

Attribute	Test Method	ISO Equivalent	Value
Absence of Lignin	TAPPI T236 om-85	ISO 302	<5
Reducible Sulfur	TAPPI T406 om-88	n/a	<0.008%
Presence of Iron or Copper (furnish)	TAPPI T266	n/a	Iron <30ppm; Copper <1ppm
pH-Cold Extraction (slurried pulp)	TAPPI T509 om-88	ISO 6588	8.5-9.5
Alkaline Reserve	ANSI IT9.2-1991 sec 5.2	n/a	3-5%
Color Retention, Lightfastness	TAPPI UM 461	n/a	No loss after 72 hours
Color Retention, Colorfastness	Internal-Water Submersion	n/a	No bleed after 40 hours
Photographic Activity Test (PAT)	ANSI IT9.16-1994	ISO 14523	Pass
Oxidizing Gas Incubation Test	ANSI IT9.15-1992(modified)	n/a	Pass @1000ppm
Silver Tarnishing	TAPPI T444 om-85	n/a	No staining
Cobb Size Test	TAPPI T441 om-90	ISO 533	57-95 g/m2
Acid Gas Adsorption Test (SO2 and NO2)	Gas Exposure at 30ppm Measured by cessation of weight gain	n/a	0.13g SO2 absorbed/gram zeolite; 0.058g NO2 absorbed/gram zeolite
Acid Gas Desorption Test (SO2 and NO2)	Gas Chromatography on saturated zeolite at 250°	n/a	No off-gassing of absorbed gas
Gaseous Acetic Acid Adsorption Test	Getty Conservation Institute procedure	n/a	Pass

ALPHARAG ARTCARE

100% virgin cotton fiber, top to bottom, and featuring Artcare advanced archival protection. Proven by scientists, approved by conservators, and preferred by framers.

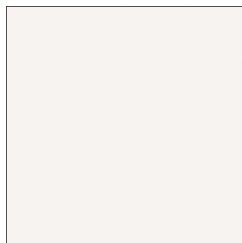


IDEAL FOR
Original Artwork
Valuable Artwork
Limited Editions
Priceless Prints

KEY ITEM# (PLY ^{CORE} SIZE)



Pure White
8655 — (4○3240)
8655B9 — (4○4060)
8654 — (2○3240)
8653 — (8○3240)
6601 Unbuffered (4○3240)



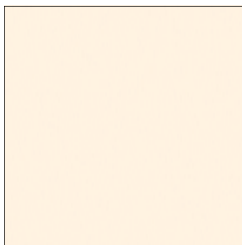
White
8634 — (4○3240)
8634B9 — (4○4060)
8632 — (2○3240)
8661 — (4○4872)
8662 — (4○4896)
8660 — (8○3240)
8634.8 — (8○4060)



Pearl White
8647 — (4○3240)
8647B9 — (4○4060)
8647.8 — (8○3240)
8653.8B9 — (8○4060)



Glacier White
8688 — (4○3240)



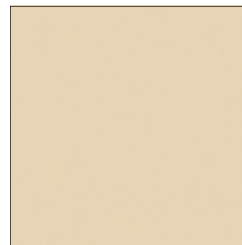
Antique White
8640 — (4○3240)
8640B9 — (4○4060)
8640.8 — (8○3240)



Ivory
8645 — (4○3240)



Fresh Hay
8629 — (4○3240)



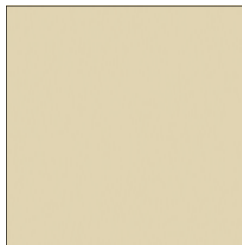
Khaki
8646 — (4○3240)
8646.8 — (8○3240)



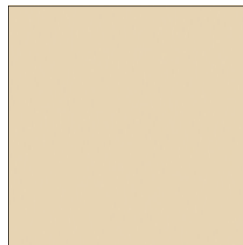
Special Cream
8664 — (4○3240)



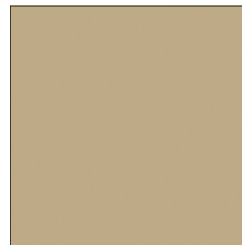
Natural White Unbuffered
8656 — (4○3240)



Ecru
8668 — (4○3240)



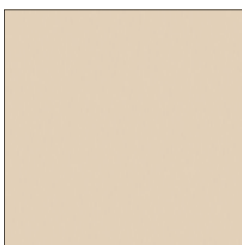
Colonial Cream
8667 — (4○3240)
8667B9 — (4○4060)



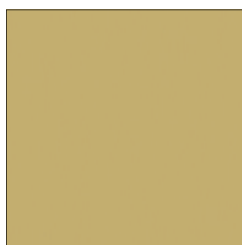
Tumbleweed
8665 — (4○3240)



Cream
8642 — (4○3240)



Sand
8666 — (4○3240)



Toasted Wheat
8690 — (4●3240)



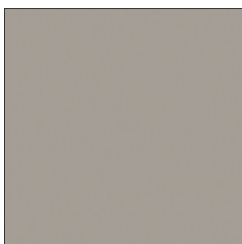
Deep Sage
8673 — (4●3240)



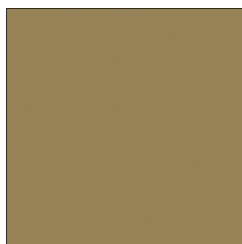
Black Shadow
8669 — (4●3240)



Stone
8674 — (4○3240)



Dove Grey
8643 — (4○3240)



Coir
8678 — (4●3240)



Ebony
8644 — (4●3240)
8644B9 — (4●4060)



Natural Black
8663 — (4●3240)

ALPHARAG ARTCARE



COLOR

2 PLY

4 PLY

8 PLY

	32x40	32x40	40x60	48x72	48x96	32x40	40x60
Pure White	8654	8655 6601*	8655B9			8653	
White	8632	8634	8634B9	8661	8662	8660	8634.8
Pearl White		8647	8647B9			8647.8	8647.8B9
Glacier White		8688					
Antique White		8640	8640B9			8640.8	
Ivory		8645					
Cream		8642					
Fresh Hay		8629					
Special Cream		8664					
Natural White		8656*					
Ecru		8668					
Khaki		8646	8646B9				
Colonial Cream		8667	8667B9				
Sand		8666					
Tumbleweed		8665					
Toasted Wheat		8690					
Coir		8678					
Stone		8674					
Dove Grey		8643					
Deep Sage		8673					
Black Shadow		8669					
Ebony		8644	8644B9				
Natural Black		8663					

*UNBUFFERED

★ SCAN BELOW TO CONFIRM ITEM# AVAILABILITY



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 ARASPEC23



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