



# PaperStone®

The  
*Affordable*  
Countertop with  
a Conscience™



Sustainable Composite Surfaces

## Sustainability is mainstream



When materials are made with this principle in mind, an earth-friendly idea becomes a natural choice. As a value it means clean air, water and responsible resource management. Choosing green products means living, working, learning

and playing in a healthier world. PaperStone® is committed to innovative green products that contribute to an eco-friendly, holistic lifestyle that is smart, elegant and responsible.

PaperStone® is not just an attractive new material that is produced in a socially responsible manner. It is also strong and tough. It has steel-like strength in span, stone-like beauty and it can be worked like fine hardwoods.

PaperStone® is innovative and cost competitive. It is a beautiful, heavy-duty composite known for its environmental sustainability, its contemporary appearance and its remarkable warmth to touch. PaperStone® is durable and recommended for residential kitchens, baths and many commercial uses. PaperStone® is excellent for use as a restaurant food preparation surface.



 PaperStone®

PaperStoneProducts.com  
306.538.9815

# The greenest architectural surface on the planet.



PaperStone® is made from 100% post-consumer recycled paper† and our proprietary PetroFree™ phenolic resins. Its unique beauty, functionality and reliability offers an exciting alternative to more traditional solid surfaces. Using pigments rather than dyes assures superior color stability and UV resistance as well as even color distribution throughout the entire panel. PaperStone® is certified to Forest Stewardship Council standards by the Smartwood program of the Rainforest Alliance.

Phenolic resin and paper composites have long been known to have superior tensile, compression, impact and flexural strengths. They are long lasting, abrasion resistant, absorb virtually no water and are the products of choice in applications requiring high fire resistance. PaperStone® has a Class A fire rating.

#### **Additional PaperStone® advantages**

- Mechanical attachments stay secure
- Remains

- structurally rigid and sound in both vertical and horizontal applications
- Can be fabricated and installed using traditional woodworking tools with high quality carbide-tipped blades
- Creative edge details can be achieved with traditional tooling
- Properly bonded seams remain tight and inconspicuous

#### **Installation efficiencies help make PaperStone® the natural choice**

PaperStone's pricing is comparable to quality granite, solid surface or engineered quartz materials. The ease and efficiency of PaperStone's fabrication and finish often saves on installation costs, making installed project pricing lower.



Built-up edged panels bring genuine affordability to an already authentically green product.

The *Affordable* Countertop with a Conscience™

† Leather is not currently made with recycled paper.





# Authentically green and genuinely affordable.



PaperStone® offers a variety of installation options to help reduce the cost of your project.

- **Do-It-Yourself** – PaperStone® installs with common woodworking tools. If you have appropriate woodworking skills, you can install PaperStone® yourself with the help of our online Fabrication Guide.
- **Built-up Edge** – Half-inch built-up edge technology is extremely solid and durable, weighs, and costs much less than full thickness countertops.
- **RePanel™ and CoverPly™** – Genuine PaperStone® recycled panels and PaperStone bonded to FSC®-certified plywood core. Call for more information about these innovative, new products.
- **Thin Laminates** – PaperStone® laminates as thin as 1.5 mm.

Strong, stylish, versatile, sustainable with creative uses galore.

PaperStone® is easily worked with CNC-routers to produce signs and other products containing intricately detailed architectural components. Working with PaperStone® is much like working with fine hardwoods. PaperStone® is ideal for countertops in any room, restaurant food prep surfaces, conference tabletops, signs and plaques, window sills, cutting boards, cutlery handles, furniture, restroom partitions, cabinets and many more creative uses.



Original PaperStone® is available in nine rich earthtone colors



## Extremely strong and durable

- Long lasting lifetime product with superior scratch, dent and chip resistance.
- Superior strength allows innovative cantilevered designs, up to 9-inch unsupported overhang with 1/2-inch material.

## Warm appearance, stain resistant, UV stable

- Natural earth-tone colors offer a warm ambience to any room.
- Non-porous surface provides a lifetime of stain resistance.

- Ages like fine hardwood, resists the effects of exposure to ultraviolet rays.

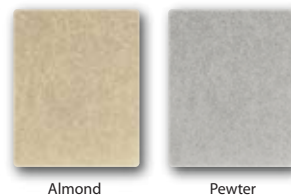
## Easy fabrication and installation

- Installed with the same carbide-tipped tools and techniques used in working with fine hardwoods.

## Heat resistant, easy to clean, safe, no radon emissions

- Heat resistant up to 350° F (175° C); use of a trivet or hot pad is recommended.
- Washes clean with sponge and dishwashing liquid.
- With proper cleaning, does not promote growth of bacteria, mold or mildew.

**NEW!** PaperStone® *Design Collection* now in two lighter shades...



Almond

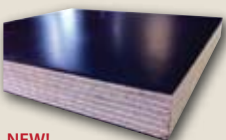
Pewter

**PaperStone®**

The Countertop with a Conscience™

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As a natural product, PaperStone® may reflect variations inherent in the natural source materials used to manufacture it. As a result, actual product appearance may vary slightly from samples and lot to lot.



**NEW!**  
**CoverPly™**

Economical and eco-friendly... genuine PaperStone® bonded to an FSC®-certified plywood core. Available in Slate and Leather colors. Other PaperStone® colors available by special order.

## Environmental impact statistics

Depending on the project, using PaperStone® may contribute toward four LEED points in the categories of Materials and Resources, Indoor Environmental Quality and Innovation and Design.

PaperStone® is made from 100% post-consumer recycled paper and our proprietary PetroFree® phenolic resins. It has been thoroughly tested and certified as VOC-free, including formaldehyde, by the ASTM D5582 desiccant method test, the most demanding test available.

A 1/2" by 5' by 12' (2.54 x 152.4 x 366 cm) slab of PaperStone® versus a traditional phenolic composite manufactured from virgin fiber and typical, commercially produced resin saves:

616.5 gallons (2,333.7 liters) of water • 1,000,000 BTUs of energy • 65.5 lbs (29.7 kg) of solid waste  
127 lbs (57.6 kg) of greenhouse gases • 27.5 lbs (12.5 kg) of petroleum-based phenol

Data obtained by using an EPA energy use/savings calculator.

## PaperStone® specifications

Standard panel sizes	5' X 12' (1524 x 3657 mm), 5' X 10' (1524 x 3048 mm), 5' X 8' (1524 x 2438 mm)
Standard thicknesses	3/4", 1", 1-1/4" (19 mm, 25 mm, 32 mm) 1/2" (13 mm) panels for use in built-up edge installations are available for order through Certified or Authorized PaperStone® Fabricators. Other panel thicknesses and sizes are available by special order. Contact your distributor for details.
Water absorption (by weight)	0.82%
Density (g/cm <sup>3</sup> )	1.4 to 1.45%
Internal bond (psi)	1,225 lbs (555.65 kg)
Modulus of Rupture (Flexibility)	
Face	24,320 psi
Edge	21,834 psi
Modulus of elasticity	
X direction	1,724.25 ksi
Y direction	1,666.58 ksi
Compressive strength	45,324 psi
Coefficient of thermal expansion	3.64
Izod impact strength	
Face	3.29
Edge	0.73
Hardness test Barcol meter (Barber Coleman)	47 avg

Light colors may darken slightly with UV exposure.



## ASTM E84 Fire Test results

Flamespread Index(20) Class A Rating Smoke  
Developed Index (110) Class A Rating



The Countertop with a Conscience™

Manufactured in Hoquiam, Washington, USA since 2004.  
PaperStone® is a beautifully finished, earth-friendly,  
sustainable composite surface.

Sustainable Composite Surfaces by



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Hoquiam, WA 98550

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