



The  
countertop  
with a  
conscience.



# PaperStone

## Technical Specs

PaperStone™ 'Original' (made from 100% FSC Certified post-consumer recycled cardboard) and PaperStone™ 'Certified' (made from 100% FSC Certified post-consumer recycled office paper) are saturated with our PetroFree, water-based phenolic resin (made with natural materials like cashew nut shell liquid) and pigment. Heat and pressure transform this mixture into a thoroughly impregnated network of cellulose fibers that give PaperStone™ its hardness, density and strength in span or cantilevered designs.

### PaperStone™ Specifications

Water absorption (by weight)	0.82%
Density	1.4-1.45 (g/cm <sup>3</sup> )
Internal bond	1,225 (psi)
Modulus of rupture (flexibility)	
Face	
X direction	24,320 psi
Y direction	24,080 psi
Edge	
X direction	21,834 psi
Y direction	21,413 psi
Modulus of Elasticity	
X direction	1724.25 ksi
Y direction	1666.58 ksi
Compressive strength	
Z direction (face)	45,324 psi
X direction	23,200 psi
Y direction	22,560 psi
Coefficient of Thermal Expansion	
Z direction	2.62
X direction	3.64
Y direction	3.48
Izod impact strength	
Face	
X direction (ft/lb/inch-width)	3.29
Y direction (ft/lb/inch-width)	2.76
Edge	
X direction (ft/lb/inch-width)	.73
Y direction (ft/lb/inch-width)	.75
Hardness test	
Barcol meter (Barber Coleman)	47 avg.
UV exposure	Slight darkening for light colors, dark colors are stable
Formaldehyde	No detected residues (less than 1 part per million)

### ASTM E84 Fire Test Results

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