

Sustainable Surfacing



Cashew-nuts and pods.

PANEL SIZE

The standard PaperStone panel is 60" x 144".

Other panel options are:

30" x 144", 30" x 72",
60" x 72"

NATURAL COMPONENTS FROM WHICH IT IS MADE

PaperStone™ is made from sustainable sources. It is manufactured in three versions. Original PaperStone contains 50% post-consumer recycled content and PaperStone Certified is made from 100% recycled materials. PaperStone made from virgin fiber is also available. All PaperStone products are made from Paneltech's proprietary, petroleum-free resin that contains natural ingredients like cashew nut shell liquid. All PaperStone products are available in the same panel sizes, basic colors, and have identical mechanical properties.

Composition

Phenolic resins are used to make PaperStone. They have been around for nearly a century since Henry Baekland invented Bake-Lite, the familiar black thermoplastic case of the original, black rotary telephones. Cashew nut shell liquid (CNSL)-based resins are the type of phenolic resins used to make PaperStone. They have long been prized for their extremely high abrasion resistance. They are still preferred for high quality automotive brake pads. What sets PaperStone apart are the company's highly-skilled and creative technical staff, the company's own resin laboratory, resin plant and commitment to the cleanest and 'greenest' products and processes that are technically and economically possible. PaperStone resins have also been specially designed to produce a hardwood-like, highly workable and not brittle composite panel.

Paper fiber is the other major component of PaperStone. The source of paper for the company's Certified product is Grays Harbor Paper Company, a small, independent, paper mill that is located adjacent to where PaperStone is made. Both Grays Harbor Paper Company and Paneltech International, LLC (the makers of PaperStone) are chain-of-custody certified by Smartwood and the Forest Stewardship Council.

PaperStone becomes a composite product when specially-produced sheets of paper are saturated with the company's proprietary resins and pressed under heat and pressure. This 'cross-links' the resin polymer in all three dimensions producing a dense, homogeneous and essentially non-porous composite product that doesn't delaminate. PaperStone has been tested under the most stringent testing protocols and has no detectable formaldehyde.