

# Pionite High Pressure Laminate



## Product and Company Certifications

1. Greenguard Indoor Air Quality Certified.
2. UL Class A Fire Rated:

Building Units	BLBT.R21850
Laminated Plastics	BSMV.R6581
Laminated Plastics (Canada)	BSMV7.R6581
Laminated Plastics, Marine	PIZT.R6581
3. NSF/ANSI Standard 35 – Laminated Plastics for Surfacing Food Service Equipment
4. ROHS/WEEE Compliant
5. ISO 9001 Certified

## LEED Information - HPL

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### MR Credit 4.1 Recycled Content:

The recycled content of our high pressure laminates ranges from 3 to 5% post-industrial recycled content and 0% post-consumer recycled content.

### MR 5.1 Local/Regional Materials Credit:

These laminates are produced at:

*Pioneer Plastics Corporation  
1 Pionite Road  
Auburn, ME 04211*

The paper used for the laminate core is produced at a paper mill that is located in Charleston SC from wood fiber harvested from the region

### SCAQMD Rule 1168:

Pionite laminates can be fabricated with adhesives that have low or "0" VOC and are compliant with Rule.

### EQ 4.4 Low Emitting Materials

No Urea-Formaldehyde Resins are used in the production of the laminate.

### EQ 4.5 Low Emitting Materials (LEEDs for Commercial Interiors)

Pionite High Pressure laminates are Greenguard Indoor Air Quality Certified.





## Pionite High Pressure Laminate

### Identifying Environmental Issues. Taking Environmental Action.

#### Protecting Our Water

- Pionite's closed loop cooling system for presses and batch reactors reduces the amount of water taken from the nearby Little Androscoggin River, and virtually eliminates thermal discharge back into the river.
- A process improvement allows us to collect and incinerate polyester distillate, thereby eliminating it from the wastewater stream.
- An oil/water separator removes the oil impurities from our presses' waste streams, resulting in a cleaner wastewater discharge to the local treatment facility.

#### Ensuring Cleaner, Healthier Air

- Water-based amino resins are used in the decorative paper treatment process to reduce fugitive emissions to the atmosphere.
- Permanent total enclosures are installed on our solvent based paper treaters to capture volatile organic compounds (VOCs) and hazardous air pollutants (HAPs) generated from the paper treating process, eliminating fugitive emissions to the environment and protecting our employees.
- Emissions captured from the total enclosures are combusted in a Thermal Oxidizer. These emissions contain VOCs and HAPs that are destroyed at an efficiency of greater than 99%, which exceeds regulatory requirements. The heat generated from this system is also used to create steam needed for manufacturing operations and to heat the facility, which reduces fossil fuel usage.
- A new vent collection system was installed in 2003 to collect the vapors produced from our melamine and urea resin reactors. These vapors along with the vapors collected from our polyester resin production process are also directed to the thermal oxidizer for destruction at an efficiency greater than 99%.
- Water-based screen print inks are used, thereby virtually eliminating solvent emissions from the screen print process.

#### Waste Reduction

- Recycling programs are established at Pionite facilities. The materials recycled vary by facility and include such things as scrap metals and wood, cardboard and office papers, and pallets and other packaging materials. In 2006 our Maine facility successfully decreased the amount of waste material going to landfill by more than 55% through recycling and alternate disposal methods and is expected to surpass this level in 2007. This equates to over 7 millions pounds of waste materials diverted from landfills.
- Laminate scrap is sent to a facility that grinds and bags the materials for use in the oil industry as a drilling fluid additive.
- Pionite uses steel plates to impart texture to the majority of our laminates, eliminating the use and disposal of approximately 2 million pounds of release paper per year which helps conserve forests as well as reduce our solid waste stream.
- Spent fluorescent light tubes, HID bulbs, computer monitors and batteries are sent off-site, where the materials are segregated, recycled and reused.
- Our laminate display boards are made of 98% recycled metal, 40% post-consumer paper, and 100% water-based paint and inks

***Pionite understands that when a company is dedicated to doing things right, we also have a responsibility to do the right things. We've opened our doors to regulators, our neighboring communities, and our customers, because we want to let you know that we're as proud of our environmental initiatives as we are of the quality of our products.***