

## Pionite Technical Specifications

### Standard Laminate

Pionite Standard Laminate is designed for either horizontal, vertical, or postforming applications. Typical uses include countertops, tables, vanities, interior doors, cabinets, contract furniture, and retail store fixtures. Three standard grades of Pionite laminate are suitable for most applications.

### G48 General Purpose Grade Nominal Thickness 0.048"/1.2 mm (NEMA HGS)

Most often used in horizontal applications where high impact resistance and a durable, decorative surface is required.

Reference Pionite Technical Bulletin #SMPTB000-001.

### F39 Postforming Grade Nominal Thickness 0.039"/1.0 mm (NEMA HGP)

Designed for manufacturing countertops and other horizontal surfaces where the laminate may be heated and rolled over the substrate edge to eliminate seams.

Reference Pionite Technical Bulletin #SMPTB000-002.

### F28 Postforming Grade Nominal Thickness 0.028"/0.7 mm (NEMA VGP)

Designed for surfaces where impact resistance is less critical.

Reference Pionite Technical Bulletin #SMPTB000-002.

### TFM Program

All Pionite colors and designs are available in thermally fused melamine panels engineered to match all of our Pionite high pressure laminates. For more information contact your Pionite Field Sales Manager or Pionite Specification Manager.

### Specialty Products

#### MelCor II® Color-Through Laminate

Color-through the core construction; eliminates the "dark line" of standard laminates. MelCor II is intended for use in applications where the edge of laminate contributes to the aesthetics of the final product. Pionite's patented manufacturing process provides a second generation color-through laminate that is more flexible and much less likely to chip than other color-through laminates. MelCor II colors and their corresponding colors in standard Pionite are not exact matches. Sample evaluation is recommended. Typical uses include high-end furniture and casework. Ideal for high-wear applications since gouges and cuts will not readily show.

Reference Pionite Technical Bulletin #SMPTB000-005.

### Pearlescent Laminate

The Pearlescent Collection showcases a dazzling array of patterns printed with metallic and pearlescent inks. Pearlescent laminate is intended for low abrasion applications only; surface wear layer has been eliminated to enhance dimensional effect. Pearlescent laminate will not meet long term abrasion resistance as specified by NEMA Standard LD-3 2005. Standard finish is gloss. Other finishes are available, however finishes other than the gloss will not improve wear resistance and may diminish the dimensional effect. Suitable for vertical applications where aesthetics outweigh durability. Typical uses include retail display cases, wall and accent panels, and residential furniture.

Reference Pionite Technical Bulletin #SMPTB000-010.

### ChemGuard – Chemical Resistant Laminate

Available in thicknesses up to 1" (25.4 mm). Pionite ChemGuard incorporates the decorative features of high-pressure laminate into a durable, chemical resistant surfacing material. The unique manufacturing process of Pionite ChemGuard results in a product with chemical resistant properties throughout its thickness. This feature ensures that the ChemGuard surface is more chemical resistant than competitive laminate, even after the surface has been scratched. Pionite ChemGuard's superior chemical resistant surface cannot be softened with heat for postforming. Typical uses include laboratory bench tops, cabinets, casework, and fume hoods. ChemGuard is ideal for photographic darkrooms; nurses' workstations; medical, dental, and veterinary work areas; and mortuaries. Thicker ChemGuard laminate can be used as structural components in laboratory bench tops precluding the use of a substrate.

Reference Pionite Technical Bulletin #SMPTB000-007.

### DecoCor™ – Thick Phenolic Core Laminate

Available in thickness up to 1" (25.4 mm). Designed for applications where the decorative surface must contribute to the structural stability of the finished assembly. Available in the following configurations: decorative both sides; decorative one side, glueable one side; glueable both sides. Available with black or brown edge. Typical uses include toilet and dressing room privacy partitions, tabletops, doors, workstations, wall panels, and desktops.

Reference Pionite Technical Bulletin #SMPTB000-008.

### Fire Rated Laminate

Designed for applications where a decorative surface must resist combustion and inhibit smoke production. Classified by Underwriter's Laboratory, Inc. under File R6581. Typical uses include elevator cabs, hospitals, schools, airports, hotels, and other public buildings where strict fire codes apply.

Reference Pionite Technical Bulletin #SMPTB000-006.

### Hi-Wear Laminate

Designed for applications requiring increased abrasion and scuff resistance. The product offers more than five times the wear resistance of standard grade laminate. Due to the manufacturing process, Pionite Hi-Wear laminate will vary in color from corresponding colors in standard Pionite. This effect is more pronounced in darker colors and patterns. Sample evaluation prior to order placement is recommended. Typical uses include buffet counters, salad bars, checkout counters, kickboards, bartops, and restaurant counters.

Reference Pionite Technical Bulletin #SMPTB000-011.

### SDL

**Electrostatic Dissipative Laminate**  
Developed specifically for surfacing workstations and where static-sensitive electronic components are manufactured and assembled. SDL is postformable. Works well in hospitals, medical facilities, and clean rooms as the surface will not attract dust or dirt particles. Due to the unique composition of this product, SDL colors and their corresponding colors in standard Pionite are not exact matches. Sample evaluation is recommended.

Reference Pionite Technical Bulletin #SMPTB000-009.

### Metallics

Intended for use on vertical surfaces as an accent for other materials or as the total surface. Pionite Metallics are available in two different constructions:

- M25 Grade, Nominal Thickness 0.025"/0.6 mm. Solid aluminum sheet with a brushed or polished decorative surface.
- M33 Grade, Nominal Thickness 0.035"/0.9 mm. Similar to M25 Grade but with a phenolic back.

Reference Pionite Technical Bulletin #SMPTB000-014.

### Cabinet Liner and Backing Sheets

#### Cabinet Liner Grade Nominal Thickness 0.020"/0.5 mm (NEMA CLS)

Provides a durable and attractive surface to the inside of cabinets and drawers. Pionite Cabinet Liner also imparts dimensional stability to a substrate that is faced with high-pressure decorative laminate.

Reference Pionite Technical Bulletin #SMPTB000-004.

### Backing Sheets

Non-decorative Backing Sheets are applied to the back of a substrate that is faced with a high-pressure decorative laminate. With proper application, Pionite Backing Sheets will provide dimensional stability to the assembly, reducing the likelihood of warpage.

Reference Pionite Technical Bulletin #SMPTB000-003.



WX120 *Precious Pear*

WX800 *Lunar Legno*



WX095 *Ornate Oak*



WO190 *Caramel Chene*



WO470 *Shadow Sawn*



AG060 *Neutral Net*



AT106 *Grandiose Grid*



AT400 *Material Mesh*



AB085 *Atlantic Azur*

AV310 *Virid Verde*



AW200 *Bridal Blanco*



AT610 *Woven Weave*



AT440 *Connected Cubes*



AT965 *Mellow Marron*



AT740 *Molten Metal*



AG180 *Meteoric Metallo*

Pionite® High Pressure Laminate

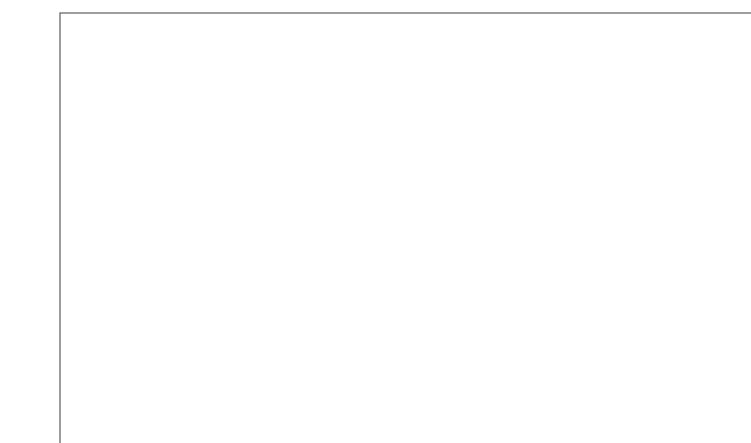
**PIONITE**  
DECORATIVE SURFACES

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www.pionite.com

Ask about our  
FSC® certified products.



For additional information on Pionite high pressure laminate please contact your Pionite sales representative or local distributor.





Patterns are not reproduced at actual size. They are representative samples from larger sheets. Colors may differ slightly from actual product. Please refer to actual samples before specifying.

**Pionite Finish Options**

Code	Finish	Description
Z	Ashwood	Fine wood finish with a cathedral grain, 18 ± 3 gloss units.
J	Crystal	Fine pebble grained finish with a medium gloss, 15 ± 3 gloss units.
L	Embossed Leather	Deeply embossed leather finish, 5 ± 1 gloss unit.
W	Embossed Slate	Deeply embossed slate finish, 7 ± 1 gloss unit.
R	Granite	Polished textured finish.
G	Gloss	High gloss, smooth finish, 100 ± 10 gloss units.
H	Hi-Brite	Smoothly textured furniture finish, 30 ± 5 gloss units.
Y	Linature*	Medium gloss linear woodgrain, 12 ± 3 gloss units.
OZ	Line Z	Deeply embossed, linear woodgrain finish.
OL	Linex	Embossed, cloth-like finish.
U	Medium Gloss	Medium gloss, smooth finish, 35 ± 5 gloss units.
C	Soft Leather	Finely grained leather finish, 14 ± 3 gloss units. Available in 48" and 60" widths only.
V	StoneX	Combined natural and polished surface.
N	Suede	Low gloss, textured finish, 12 ± 3 gloss units.
F	Super Matte	Smooth, non-reflective finish.
I	Wood Essence	Natural - appearing, linear woodgrain finish.

\*available in 4' width only

For additional information on Pionite high pressure laminate, please contact your Pionite sales representative or local distributor. 1-800-PIONITE (1-800-746-6483)

# Green

**No matter which color you choose, Pionite makes your laminate green!**

- Pionite's low emission products are GREENGUARD certified
- By formulating our own resins we can assure you of an eco-sustainable manufacturing process
- Pionite laminates are easy to clean without using harsh chemicals
- Our products are manufactured with kraft and decorative paper from recycled or renewable sources to help preserve our forests and promote a healthier environment
- Distribution centers are strategically located across the country to reduce the use of fossil fuels when delivering Pionite products
- Pionite HPL surfaces do not support bacterial growth making them an ideal choice for healthcare, education and food service installations

**Make Pionite your first choice when specifying materials that show you care about the environment.**



Ask our FSC<sup>®</sup> certified products.

