



AAPG Phenolic & High-Pressure Laminate

Solid phenolic (compact-grade HPL) and decorative high-pressure laminate per NEMA LD 3, for durable high-use interior and exterior surfaces.



AAPG phenolic wall panels in a public assembly space. Project installation shown for reference; color, finish, and configuration are as specified for that project rather than as documented on this sheet.

PRODUCT OVERVIEW

AAPG Phenolic is a solid, compact-grade high-pressure laminate (HPL) manufactured to NEMA LD 3. Multiple layers of kraft phenolic are fused with decorative surface papers under high heat and pressure to form a dense, self-supporting panel that is impact-, moisture-, and wear-resistant. Available with a decorative face on one or both sides and with an optional through-color core, phenolic panels are used for wall protection, partitions, lockers, toilet compartments, casework, and exterior-rated cladding. Reference specification: Section 06 40 25 – High Pressure Laminates.

Reference standards	NEMA LD 3 • ASTM E84
Product	Solid phenolic (compact-grade HPL) & decorative HPL
Surface grades	HGS, HGL, HGP, VGP (NEMA LD 3)
Core	Multi-layer kraft phenolic (through-color option)
Fire performance	Class A or Class B (ASTM E84), as required by code
Formaldehyde	TSCA Title VI / CARB compliant

TECHNICAL DATA

Characteristic	Technical data
Product	Solid phenolic compact-grade high-pressure laminate (HPL) and decorative HPL, manufactured to NEMA LD 3.
Surface grades	General Purpose (HGS), Horizontal (HGL), Horizontal Forming (HGP), and Vertical Forming (VGP), each complying with NEMA LD 3.
Surface thickness	HGS 0.048" (1.2 mm); HGL 0.039" (1.0 mm); HGP 0.039" (1.0 mm); VGP 0.028" (0.7 mm).
Compact panel thickness	1/2" (12 mm) and 3/4" (18 mm) standard; additional thicknesses available on request.
Core	Multiple layers of kraft phenolic fused under high heat and pressure to form a dense, self-supporting panel; through-color core available.
Faces	Decorative surface on one or both sides; color, pattern, and finish as scheduled.
Sheet width	48" (1219 mm) and 60" (1524 mm), as selected from standard widths.
Sheet length	96" (2438 mm), 120" (3048 mm), and 144" (3658 mm), as selected from standard lengths.
Surface finish	As selected from the manufacturer's full range of colors and textures.
Fire performance	ASTM E84 Class A or Class B (Class 1) as required by code and the authority having jurisdiction; independent test reports available on request.
Impact resistance	High; suitable for high-traffic wall protection and demanding institutional interiors.
Moisture resistance	Low water absorption; suitable for wet, humid, and frequently cleaned environments; exterior-rated grades available for façade applications.
Chemical & stain resistance	Resists common household and institutional cleaners and chemicals per NEMA LD 3; non-porous surface.
Anti-microbial	Anti-microbial surface option available.
Edge treatment	Machined and polished edges; self-edge with through-color core; matching or contrasting edges as scheduled.
Applications	Interior wall cladding and wall protection, partitions, lockers, toilet compartments, casework, countertops, and exterior-rated façade.
Environmental limits	Maintain 60–80 °F (16–27 °C) and 35–55% relative humidity during storage, installation, and service; acclimate prior to installation.
Cleaning	Non-porous surface; clean with mild soap and water or a general-purpose cleaner. Refer to AAPG Care & Maintenance (HPL / Phenolic).
Reference specification	Section 06 40 25 – High Pressure Laminates.
Warranty	One (1) year from the date of shipment against defects in materials and manufacture, unless otherwise stated. Refer to AAPG's published warranty for full terms.

Phenolic panels are fabricated to project drawings. Sizes, colors, finishes, and edge treatments are as scheduled and detailed for each Project.