

What Is Phenolic Material?

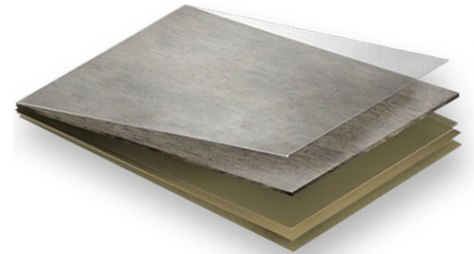
Phenolic material is a high performance, high pressure laminate (HPL) known for its exceptional strength, durability, and resistance to environmental factors such as heat, mildew, mold and bacteria.

High Quality, Long Lasting Material!





Phenolic material typically holds a higher price tag than its plastic counterpart both due to its manufacturing process and superior properties. Phenolic is a dependable material known for its ability to resist rot, warp, rust, mold, bacteria, scratches, impact, heat, chemicals, and fading. While slightly more costly, Phenolic will pay for itself in longevity.

How is High Pressure Laminate made?

Phenolic material is created by saturating layers of kraft paper with phenolic resin, which are then compressed under high heat and pressure to form a dense, solid sheet. This process results in a material with uniform strength and durability. The surface can be finished in a variety of textures and colors, providing both aesthetic and functional benefits.



What Makes High Pressure Laminate Such A Durable Material?

-  • **Impact Resistance:** Phenolic material is created through high-pressure manufacturing, resulting in a dense and uniform structure that is highly resistant to impacts, scratches, and heavy use.
-  • **Heat and Chemical Resistance:** Phenolic withstands extreme temperatures and resists damage from most chemicals, ensuring it remains stable and durable in harsh conditions.
-  • **Moisture Resistance:** Its non-porous surface prevents moisture absorption, avoiding warping or degradation, making it perfect for wet environments like poolside lockers, shower room partitions, and gym facilities.
-  • **Bacteria Resistance:** The material naturally resists bacteria, mold, and mildew, making it ideal for hygiene-sensitive areas, and it requires minimal maintenance to stay in top condition.

Most common applications to use Phenolic Material include: Swimming Pools, Aquatic Centers, Locker Rooms, Spas, Gyms, Medical Facilities, Bathrooms, and Laboratories.