



High pressure laminates

HPL or High pressure laminate is the direct descendent of the original plastic laminate. It is considered to be one of the most durable decorative surface materials and is available with special performance properties including chemical, fire and wear resistance. Special grades of HPL can be post formed around curved edges by application of heat and restraint.

HPL is produced by saturating multiple layers of Kraft paper with phenolic resin through an impregnation process. A layer of printed décor paper and over that a barrier paper are placed on top of the Kraft paper before pressing. The resulting sandwich is fused together under heat and pressure (more than 1,000 PSI) in a hydraulic multi opening or continuous hot press. Because phenolic and melamine resins are thermoset plastics, the curing process transforms the resin into plastic by a cross linking process that converts the paper sheets into a single, rigid laminated sheet. Thermosetting creates strong, irreversible bonds that contribute to HPL's durability.

Indian manufacturers: Vir Laminate, Century Laminate, Green lam, Royal touché, Action tesa, Asis lam, Archid lam, Ratnam laminates, Hom mica, Bloom dekor, Merino, Shell laminates, Arc lam, Real touch, Mo décor, Deco mica, Advance laminates, Bell laminates, Euro lam, Airolam, Atith fiber, sunmica, horizon lamkraft, National, Neo Hy, Sundek, Purbanchal, samrat ply, Siddhi décor, Silicon laminates, Star panel, Touch laminate

Global manufacturers: Abet laminati, Formica, Lamitech, Perstope, Nevamar, Lamin-Art, Omnova, Panolam Arnold, Pfleiderer, Wilsonart, Mannington, DLI, Alloc, Armstrong, Arpa, Coveright surfaces, Dynea overlays, Faus group, Isomax, Kronospan, Laminex, Mohawk, Schneller, Maica, Columbia, ITW, Arvinyl metal laminates, Bakelite hylam, Dansk décor – Laminat A/S, decolam, Decra, Dekodur, Duropal, Fibo trespo, Isovolta, Arborite, Liri, Laplex, Novacel, Pionite, Pelit arslan, Patrick usa, Permalli Wallace, Robina, Panelyte, Olon usa, Sprela, Sunlite etc..