High Pressure Laminate Presentation

High Pressure Laminates and Services From Davidson's Discount Boards
Presented by L. Swart
Basic Overview

- High pressure laminate is craft paper that has been soaked in a melamine resin.
- It consists of many layers of brown craft paper, soaked in resin, stored and then manufactured into complete panels with a top decorative sheet (colour of shade or tone or wood design).
- On top of the decorative layer is one final layer and that is called the protective layer.
- This is commonly known as Formica in the trade which is a brand name.
- This layer gives the laminate its protective and durability properties.
- High pressure laminate thus consists of 4 parts namely:

1. Balancing Backer
2. Supporting Craft Paper
3. Decorative Paper
4. Protective Layer (Transparent Layer)
Manufacturing process

- High Pressure Laminate (HPL) is manufactured under tremendous pressure and heat namely 260 degrees Fahrenheit or 1200 degrees Celsius with about 800 pounds per square inch of pressure fusing the resin impregnated craft sheet to create a high performance surface area.
Features and benefits

- Aesthetically Pleasing
- Exciting range of colours, patterns, aggregate stone, wood and metal finishes.
- Easily transported
- Unmatched versatility
- Unmatched Durability
- Improved scratch resistance technology
- Improved Green Strength distribution
Applications

- **Shopfitting examples are as follows:**
  1. Bulkheads
  2. Reception Counters
  3. Vertical Panel Inlay
  4. Wall Cladding
  5. Post or Pillar Cladding

- **Residential examples are as follows:**
  1. Counter Work Tops (in the Kitchen, serving areas, at the stove or hob)
  2. Kick plates
  3. Splashback
  4. Postform Doors
  5. Vertical Cabinet Cladding
Specifications

• High Pressure Laminates technical name is Plastic Laminate. Why????????????????

• The resin that is used and infused into the craft paper is a liquid form of plastic, thus giving the laminate its flexible characteristic

• Sheet size can vary as follows:
  - 3.050x1.300 (Abet Laminate) (Standard size in South Africa)
  - 3.530x1.300 (Abet Laminate)
  - 3.600x1.300 (Abet Laminate)
  - 3.600x1.610 (Abet Laminate)
  - 4.200x1.300 (Abet Laminate)

• 3.600x1.400 (Sonae)

• 3.600x1.300 (Formica)
Pricing

- Pricing of the product can vary from manufacturer.
- There is also a difference in pricing when it comes to the various finishes namely plains solid colours, wood grains, stone, and metallic finishes.
- There is also a difference in the price of specialist laminates for example Lab Grade laminates.
- Lab Grade Laminates boasts its unmatched performance in Laboratory applications due to the high resistance against All sorts of chemicals including Hydrochloric Acid, Thinners, Turpentine, Lacquer paints and petrol to name a few.
Availability

- The product is readily available in Cape Town.
- Same Day Delivery.
- There are products that carry a longer time frame but these products would be on an international range and not a core range.
- Should the need arise for either stock or urgent sample for a time sensitive project, the product will be identified, and either flown in at the behest of our client or a sample would be fedexed soonest and delivered to the client.
- Normal production time for non-standard laminates is 4 weeks and another 3 weeks on the water.
- In the case of airfreight, it takes a week to ship from Italy to South Africa.
Our mission is Customer service and Sovereignty

- Timeous and reliable delivery service
- Free Cutting optimising service
- Competitive Prices on a comprehensive stock compliment
- To be the preferred supplier of all Board and Laminate Products and Services
Complimentary Products to laminates

- Complimentary products that can be used with HPL:
- Particle Board (usually 16mm or 32mm thick laminated both sides or one with a backer)

Medium Density Fibre Board (MDF - Normally 16mm thick bonded both sides)

Xanita Board bonded both sides (known as X Board)
Fully functional cutting and edging services
Professional and caring sales team to Ensure Total Customer Satisfaction
New upmarket showroom and reference point for the interior designer as well as the domestic market.
Manufacturing and upgrading

- Davidson's Manufacturing Plant offers the following Professional Services:
- PVC Wrap Door Manufacturing:
- Manufacture Of Veneer Board:
- Component Upgrading (To Clients Specifications)
- CNC Routering Facilities (To Clients Specification)
Manufacturing and upgrading

- Full Postforming Plant For production of standard as well as specified Work Tops

Veneer stitching

Veneer pressing
Davidson's / Kaydav Group

Davidson's Discount Boards Branches:
- Ottery
- Montague Gardens
- Brackenfell
- Strand
- Pretoria
- George
- Durban

Davidson's Manufacturing:
- Epping

Kayreed Board and Timber
- Langlaagte