

## HPL (Fireproof) Plywood

### Description

HPL means "High Pressure Laminates". HPL is a kind of engineered plastic laminates. After the plywood has been produced, HPL is covered onto the face/back of plywood under high pressure. That's what people call "HPL Plywood".

The laminates referred to are melamine surfaced high pressure decorative laminates (HPL), supplied in sheet form in a variety of sizes, thickness and surface finishes. Laminates basically consist of paper and thermosetting synthetic resin, paper comprising more than 60 % of the product.

### Dimensions & composition

#### HPL faced plywood/ Fireproof plywood/ Flame retardant plywood/ FR-plywood/ FRT plywood

**HPL face/back:** Both sides or one sides,

**Solid color:** white smooth film, white rough film, red and other colors.

**Wood grain color:** Maple, Oak, beech and other film

**HPL thickness (mm):** 0.5mm, 0.7mm, 1.0mm and 1.5mm

**Core:** poplar, pine, hardwood, poplar and hardwood mixed plywood MDF, fibreboard etc.

**Glue:** exterior and interior

**Size(mm):** 2440X1220, 2500X1250, 2440mm×915mm

**Thickness(mm):** 3-25

**Moisture:** 10-16%

**Spread of flame:** B1 grade, C1 grade

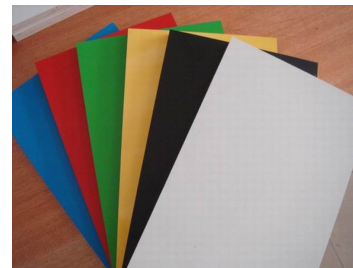
#### Core Standards

High pressure laminates (HPL): EN 438

#### Wood based substrates:

Chipboard: EN 312      Plywood: EN 636

Fibreboard: EN 622-1      MDF: EN 622-5



### Applications

The HPL plywood are found widely in our daily life. Office furniture, cabinet, walls, partition, door, exhibition stand, hung ceiling, counter board.

### Environmental and Health Aspects in Use



HPL formaldehyde emission level is far below the limit for wood based materials. Due to their very low permeability, HPL bonded to wood based substrates act as a barrier against possible formaldehyde emissions coming from the substrates. There is no migration affecting food and, consequently, the HPL surface is approved for contact with foodstuffs.

The decorative surfaces are resistant to common household solvents and chemicals, and have therefore been used for many years in applications where cleanliness and hygiene are important.

The non-porous HPL surface is easy to disinfect with hot water, steam and common types of disinfectants used in hospitals and other commercial facilities.

For information and price contact with Customer Service Rep or your Sales Representative