PRIDE LAMINATES
YOUR DELIGHT IS OUR PRIDE

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# YOUR SPACE WITH
# CREATIVE VIBES

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FROM
Natural
Wood
RESOURCES

# ABOUT

Established in the year of 2018, Pride Laminates is the leading Manufacturers Trader of Wooden Gate Sheet, Wooden Wall Cladding, Wooden Ceiling Sheet and much more. These products are enormously employed in the market owing to their longer working life, low maintenance, top performance and nominal prices. Being a quality conscious entity, our solitary objective is to supply only the best quality products to our clients.

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# FEATURES

### CLIMATIC SHOCK RESISTANT
Pride Laminates is resistant to sudden change in temperature and humidity of the atmosphere and maintain its physical and mechanical properties remaining firm furlong.

### IMPACT RESISTANT
Develop to provide protection against shock and vibration.

### FIRE RETARDANT
These surface come with BS1DO the best in the category rating. Rest assured they won't go to down in names when in contact with heat and are.

### GRAFFITI RESISTANT
Any writing marks made on the surface can be easily removed using soap water or hot water.

### TERMITE RESISTANT
Highly resistant to termite and fungal attack.

### WEATHER RESISTANT
Be the heat, Humidity or extreme cold, these surface can handle it all.

### MOISTURE RESISTANT
Pride laminates is highly moisture resistant hence ideal for use in all types of exterior cladding on buildings such as residential workplaces, business centers, public, building, airports and hospitals

### ABRASION RESISTANT
It has superior abrasion and ware resistance capabilities which gives it good lifespan.

### UV RESISTANT
A special UV protection treatment makes the cladding UV resistant and prevents discolouring under long exposure to direct sunlight.

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DECIDE
Yourself
HOW YOU WANT YOUR
Future looks

DISCOVER &
Love the
WORLD CREATED
by you



PRIDE LAMINATES
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The Pride laminates range is UV coated for better color fastening properties, Pride laminates can be installed by using essential fasteners of non-corrosive material like aluminum channels, head of the rivets are colored with anodized powder coat.

**Specifications in Pride laminates panels:**

- Sliding points: 8 mm as required
- Fixed points: 5 mm
- Diameter of hole in aluminium substructure 5:1mm

**Pride laminates Installation Methods :**

**Riveting System**

This system is applied to high rise buildings or used as supporting gluing systems to provide extra solidity, Pride laminates Panels of 6mm & 5mm are suitable for riveted system on an aluminium substructure.

**Aluminium Substructure:**

The aluminium substructure basically consists of vertical support profiles which are mounted on the wall using brackets. It has to adhere to national standards and has to be installest in accordance with the manufacturing specification for the substructure. Due to the material properties of these panels, fixed points and sliding points need to be made in order to fix the panels

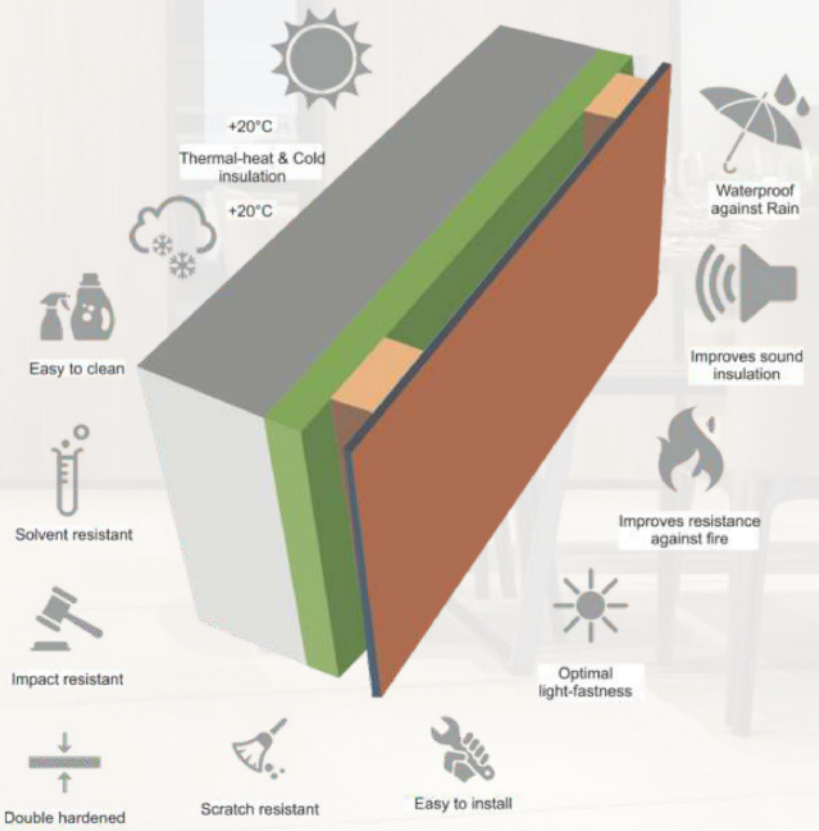
**Edge Spacing:**

Keeping stability and flatness in mind, the Edge spacing must be kept in consideration, At least 8 mm wide joints must be made so that changes in size can take place without any interruptions. With the change in temperature, the metal sub-constructions change their dimensions. The dimensions of exterior panels change as per humidity fluctuations as well. These changes in the size of sub construction and exterior panel material can be opposite to each other. While installing keen attention must be paid to the expansion clearance.

The thumb rule for calculating required expansion clearance is Xor Y (in mm)/500 = Expansion Clearance

**Specification :**

1. Aluminum tube channel should be used 38 x 38 x 2mm or 1.6 mm thickness of 50 X 25 x 2mm or 1.6mm thickness At every junction of two panels, Aluminum tube channel should be used 63X38X2mm or 1.6mm thickness or 75 X 25 X 2 mm or 1.6mm thickness, Channel should be powder coated,
2. Channel should be fixed using galvanized brackets with 75X10mm anchor bolts on the wall having distance of 900mm c/c
3. Riveting hole should be 8mm on the sheet and 5mm hole on the aluminum channel.
4. Riveting distance between each rivet in case of horizontal application should be 400mm-600mm c/c on elevation
5. Riveting distance between each rivet on the ceiling application should be 300mm-450mm
6. Pride laminates sheet riveting paint marking should be 17mm to 25mm in horizontal and 40 to 50 mm in vertical from the edge of plant/ sheet
7. Groove or gap between each panel in horizontal and vertical should be 6mm 8mm



## Adhesive System

**Aluminium Substructure:** It consists of vertical support profiles which are mounted on the wall using angle brackets. Needs to adhere to National standards and must be installed according to the specifications of the manufacturer for the substructure.

**Edge Spacing:** The Edge spacing must be kept in consideration for the reasons of stability and flatness. With the change in temperature, the metal sub- constructions change their dimensions. At least 8 mm wide joints must be made so that changes in size can take place without any interruptions. The dimensions of exterior panels alter by relative humidity fluctuations. These changes in the size of sub construction and exterior panel material can be opposite to each other. While installing keen attention must be paid to the expansion clearance. The thumb rule for calculating required expansion clearance is:

**X or Y (in mm)/ 500 Expansion Clearance.**

**Preparation of Surface & Priming:**

**Abrasion:** Both the metal frame surface of the bonding area and the backside of HPL are abraded by using a cleaning pad/fine emery paper.

- **DO's:** Use Emery paper finer than 220 grit.
- **DON'TS:** Coarse abrasive product should not be used.
- **USES:** Abrasion improves adhesion by creating fine scratches and removes scales/other coatings.
- **Cleaning the Surface:** Wiping/cleaning has to be done in a single direction. Later allow the solvent to evaporate. After the abrasion, surface is first cleaned with a dry cloth and then with 3M PU Cleaner. needs to be primed with 3M PU primer 595 black for durability.
- **Priming:** Priming promotes adhesion. The surface of the bond - Application: All these processes of surface cleaning has to be done just before the sealant application on the frame. While applying the primer, reversing the direction of the swab/ brush is not recommended. The black film should be continuously wiped in a single direction. For uniform coating on the surface primer can be applied either with brush or swab. To achieve this in one stroke swab has to be soaked with enough primer. Application of the primer should be done only on the bonding areas and allowed to dry for leaving a tack free film. To avoid dust accumulation on the surface, bonding should be completed at the earliest.

**Very High bond Tape and Sealant Application:**

- **Application of Very High Bond Tape:** VHB tape is advised to be applied before opening the sealant pack as the extended exposure of Sealant bead will cause skin formation. From the VHB Tape roll, sufficient length has to be unwinded. Hold the edge of the tape, and the portion where it is touched by the fingers outside must be left. For bubble free application of the tape, 3M HTA is recommended. Press the tape end to the frame, it should be aligned towards the outer edge of the frame. Wherever the tape needs to be joined, an overlap should be given then cut the overlapping edges of the tape. With the help of rubber roller, press the tape to ensure proper surface contact and to initiate the flow.
- **Application of Sealant:** Application of sealant as triangular bead of 6-8mm base with a gap of 10-12mm from the tape is recommended. To get the triangular bead the nozzle of the sealant sausage/ cartridge should be cut at a proper length with a "V' notch. Apply sealant as a continuous bead with the uniform dimensions. The triangular shape of the bead helps to get maximum contact area in between the sealant and the panel, when squeezed, and near rectangular bead.
- **Panel Cladding:** After removing the liner from the tape, place the panel without pressing, to bond over the tape and sealant bead. To get a proper alignment the panel can be moved at this point, as it has not touched the tape surface. There should not be much movement while aligning, to avoid any contamination of tape bonding surface with sealant. Bond strength depends on the amount of adhesive to surface contact developed. Pressure should be applied in such a way so that both the surfaces contact the tape fully. Once the alignment is done properly, push the panel to lock in that place and by using a rubber roller or by hand pressure press it down. As the adhesive flows onto the surface the bond will increase.