

VANGUARD DOOR

Vanguard *n.* a position at the forefront of new developments or ideas.

DESCRIPTION

The 'Vanguard' door consists of two layers of a specialised composite laminated to marine grade plywood. The outer skin provides a durable layer with long-term structural stability and excellent chemical and moisture resistant properties. The specialised composite allows the face(s) to be routed or machined to a pre-determined depth without compromising the integrity of the door.

The 'Vanguard' door can be coated with all Axolotl metals and effects.

FEATURES

Easy to clean

As the specialised composite is not electro-static the panels are not likely to attract dirt, and so simple hose down with water will be sufficient in most cases.

Chemically Inert

The specialised composite has excellent resistance to chemical attack.

Non Conductive

The insulating characteristics provide a panel with excellent electrically non-conductive features.

Non Sparking

The non sparking nature of the specialised composite allows its use in areas where this feature is mandatory.

Non Corrosive

Because of the inert nature of the specialised composite, its resistance to moisture pick-up will not contribute to the corrosion of metal fixing.

Resistant to Microbial Attack

The cured specialised composite used does not support the growth of fungi, bacteria or microbes.

Resistant to Steam

Since the specialised composite is tested during production to prove steam resistance, steam cleaning is a practical way of cleansing boards with a high dirt load.

Very Low Water Absorption

Standard test procedures during production show that the outer skins water take-up is typically less than 1%.

Good Stiffness Characteristic for panel weight

Three point bend tests carried out using production QC procedures indicate that for similar mass, the specialised composite panel is stiffer than plywood of similar thickness.

High Impact Resistance

Tests carried out at the CSIRO indicate the specialised composite panel show minimal indentation when impacted by an ice ball shot out of an air canon at approximately 170 kmph.

Good Abrasion Resistance

The test result using standard abrasion testing procedures and equipment translates into a door having excellent wearing properties regardless of the finish specified.

Excellent Workability

The nature of the specialised composite permits normal fabrication techniques. There is no need for special tooling; in fact high speed steel tools can be used however for long life tooling Tungsten Carbide Tipped tools are suggested. The panels can be sawn, drilled, routed and glued using appropriate adhesives.

Good Temperature Stability

The panel is temperature stable up to a temperature of 150°C.

Good Dimensional Stability

Since the cured specialised composite has a very low moisture take-up, and is temperature stable to relatively high levels the panels exhibit a high degree of stability.

Door Sizes

2400 x 1200mm - Standard

2700 x 1200mm

Vanguard doors can easily be cut down to suit customised jamb sizes.

Panel Thicknesses

Available 40mm thick (and with additional plant ons if required)

Other thicknesses will be considered upon request.

Weight

Approximately 28kg per square metre.

Hinging

Four standard hinges, or three commercial hinges are required per door, or alternatively the doors can be pivot hinged.

Face Colour Options

Generally Black is the standard colour (pre-bonded with Axolotl metals).

TECHNICAL

CHARACTERISTIC	TEST METHOD	VALUE / RESULT
Stiffness	Three point bend test	Typical Plate Stiffness "D" characteristic:- 3mm thick = 23.7×10^3 Nmm ² / mm width. 5mm thick = 130.3×10^3 Nmm ² / mm width. 10mm thick = 865.2×10^3 Nmm ² / mm width.
Electrical Insulation Resistance	AS 1795.1 – 1983	Greater than 10 Megohms
Wear Resistance	Taber H 174x 1 H18 calibre	50% surface pattern removed = 50 cycles. Pattern and colour removed = 37 cycles.
Impact Resistance	CSIRO Ice Canon Test	38mm Dia ice ball @ 47m/sec Generally indents less than 1mm
Moisture Resistance	AS 1795.1 – 1983	< 1%
Steam Resistance	AS 2098.2 – 1977	10 hours Steam @ 200kPa No Delamination

GUARANTEE

Subject to terms and conditions set forth herein, doors supplied by Axolotl Group Pty Ltd (hereinafter referred to as "the Company") are guaranteed by the manufacturer for five years from the date of shipment by the manufacturer to be of good material and workmanship, free from defects which render them unserviceable or unfit for the use for which they were manufactured.

TERMS AND CONDITIONS

Natural variations in the colour, texture or finish pattern of the metal are not to be considered defects. Doors must be accorded reasonable treatment by the purchaser and should be stored or hung in dry buildings and not in damp, moist or freshly plastered areas. The utility or structural strength must not be impaired in the fitting of the door, the application of hardware, or cutting and altering of the door for lights, louvres, panels or any special details. All entrance and solid core must be hinged with four (4) hinges. ENTRANCE DOORS SHOULD BE HUNG IN WEATHER PROTECTED AREAS..

It is recommended that entrance and exterior doors should be finished in light reflective metals to reduce the risk of heat absorption which may cause warping. Dark metals should be used in weather protected areas and where there is no direct sunlight. Both faces should have similar metals applied. Regular maintenance should be provided to prevent deterioration.

Where any legislation provides for remedies for the Company's breach of a condition or warranty whether statutory or otherwise, then, at the Company's option, the customer's sole remedy for such breach except a breach of Section 69 of the Trade Practices Act will be limited to: such remedy, or the repair of the products, or the replacement of the products or the re-supply of the products; or the payment of the cost of replacing the products; or the cost of having the services supplied again; or the re-provision of the services. No claim will be accepted unless notified in writing to the Company within seven (7) days of the date of delivery of the products or the supply of the services.

The Company will not be held responsible for additional charges of hanging, painting or other charges arising from the replacement of doors. Any such defects must be

brought to the attention of the manufacturer when discovered and in any event within one year from the date of shipment by the Company. The Company is not liable to reimburse any purchaser for doors repaired or replaced without the prior written consent of the Company to such repair or replacement.

The Company will not assume responsibility for doors which become defective because of failure to follow these conditions or hazards of shipment or storage, after doors leave the control of the Company.

The Company will not be liable for any costs, claims, damages or demands arising from the personal injury, loss or damage whatsoever occurring to the customer or its agents, servants as a result of either acts or omissions of the customer. The Company will not be liable for any consequential loss or damage, whether due to its negligence or otherwise. The Company will not be liable to the customer for the Company's failure to comply with its obligations to the customer due to any cause beyond the Company's reasonable control and the Company's obligations affected by such cause are suspended while the cause continues to prevent or hinder the Company's performance.

ADVISORY NOTE

Considerable damage can occur during the delivery of doors particularly to country or interstate areas. "Special Packaging" is recommended (optional extra cost) in an attempt to prevent transit damage. The Company is not responsible for any transit damage.

INTERPRETATION OF WARP

Warp shall be interpreted as meaning the cupping/bowing or twisting of doors. It refers to distortion within the door itself and not its relationship to the jambs or frame in which it is hung. Warp exceeding 5mm shall be considered a defect.

EXCLUSIONS

The guarantee against warp does not apply to the following:

- a. 40mm thick doors wider than 1000mm or higher than 2400mm.
- b. Doors that are improperly hung or do not swing freely.

Experience has demonstrated that when warp occurs after doors have been delivered to storage or building sites, it is usually due to improper storage or adverse moisture conditions after hanging and not to faulty manufacture. The Company will accept no responsibility for doors when moisture content of the timber falls below 12% or exceeds 18%.

The Company will not accept responsibility for conditions wholly beyond its control. However, the Company should be consulted promptly if excessive warping occurs to provide assistance in overcoming the difficulty.

In the mutual benefit of all parties, any complaint concerning defects should be lodged BEFORE doors are hung.

Disclaimer

The company reserves the right to amend specifications at any time, without notice, in the interest of quality, performance and availability of materials.