

- Pacific Rim Wood Ltd. provides for a worldwide sales and distribution service for wood products manufactured by P.T. Kutai Timber Indonesia including a range of FLAMEBREAK™ door core products.
- The basic core construction consists of three layers of cross banded lamels contributing to exceptional dimensional stability.
- The core construction includes a concealed perimeter framing to all four edges with framing elements tongue and groove jointed to the core structure.
- The core material consists of a light weight fast growing tropical hardwood of approx. 300Kgs/m<sup>3</sup> density. The timber for the core is harvested from forests that are managed to provide for reforestation under the control of an ISO14001 Environmental Management System supported by chain of custody certification.
- The core framing material is made up of mixed tropical hardwoods of approx. 480Kgs/m<sup>3</sup> density. The framing is finger jointed to make economical use of timber from other processes that would otherwise be wasted.
- FLAMEBREAK 30™ Door Blanks are provided with optional facings as follows:
  - 4mm Plywood.
  - 6mm Plywood.
  - 6mm Medium Density Fibreboard.
- FLAMEBREAK 60™ Door Blanks are provided with optional facings as follows:
  - 6mm Plywood.
  - 6mm Medium Density Fibreboard.
- Individual core blocks are assembled with a PVA adhesive and the three layer core lamels are bonded using a Melamine Urea adhesive system. Facings are applied to the core assembly with a melamine adhesive. Blank assemblies have been subjected to Soak Delaminating Tests and are suitable for external use, subject to the application of suitable finishing systems.
- FLAMEBREAK™ Door blanks have been subjected to a number of BS476 Pt.22 fire resistant tests with and without additional lippings and have a proven performance for a wide range of FD30 (*half hour fire resistance*) and FD60 (*one hour fire resistance*) applications. More recently, door assemblies based upon the use of FLAMEBREAK™ cores have been successfully tested to the requirements of BS EN 1634-1 providing for confidence that 44mm FLAMEBREAK™ cores have the potential to provide for a stable door core product for the development of CE marked doorset designs for half hour fire door applications.
- FLAMEBREAK™ Door blanks can be faced with a wide range of decorative facing materials, e.g. decorative veneers, laminates PVC etc.
- Doors manufactured using FLAMEBREAK™ Door Blanks can be glazed using an extensive range of glass and beading systems.
- The solid wooden core construction of FLAMEBREAK™ Door Blanks provides for fixing of a wide range of ironmongery items. For fire rated door assemblies, reference should be made to BS8214 and the related ABHM & Guild of Architectural Ironmongers Code of Practice. 'Hardware for Timber Fire and Escape Doors'.

**Handling & Storage:**

- When handling FLAMEBREAK™ Door Blanks with forklift trucks or other mechanised handling equipment, care should be taken to observe the safety advice and weight restrictions related to the equipment.
- When manually handling, operatives should wear suitable industrial quality gloves to avoid injury.
- FLAMEBREAK™ Door Blanks should be stored under clean dry conditions similar in ambient condition to that intended for further production.
- Areas for storing FLAMEBREAK™ Door Blanks should be dry and adequately ventilated such that the Blanks are not subjected to excessive humidity and temperature.
- FLAMEBREAK™ Door Blanks should be stored flat in packaging as delivered. The lower bundle should be stored on a flat and level base supported by a minimum of 4No. equi-spaced timber bearers. Additional bundles may be stacked on top of a base bundle with each bundle separated by equi-spaced bearers to a maximum recommended height of 5 bundles per stack. Where varying size blanks are stored, the larger size blanks should be positioned at the bottom of the stack reducing to the smaller size blanks at the top of a stack.

**Health & Safety:**

- When worked, it is likely that the Door Blanks will produce wood dust that can act as a skin or respiratory irritant. Adequate ventilation and dust waste extraction should be provided for in the workplace.  
**NOTE: Refer to COSHH Regulations and Guidance Note EH40.**
- Ori-nasal masks to BS EN 149 and eye shields to BS EN 166 ~ 168 are recommended for use by operatives involved in the handling and working of FLAMEBREAK™.
- **In the event of exposure resulting in injury to persons the following first aid recommendations are suggested:**
  - **Inhalation of Wood Dust:** Remove person to fresh air. Clean nasal passages.
  - **Wood Dust in Eyes:** Flush eyes with tepid clean water for 15mins.
  - **If no recovery is made:** Seek immediate medical advice.

**Fire & Explosion:**

- FLAMEBREAK™ Door Blanks will not explode but airborne dust particles released when working the blanks could present a fire hazard. Smoking and the use of naked flames should not be permitted in work areas.
- The work area should be provided with an efficient and continuous dust extraction system.
- FLAMEBREAK™ Door Blanks are solid wood products. Normal wood fire fighting procedures should be adopted in the event of fire.