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## Parkwood Duramax Specifications

Version 1.00

Date 20/11/17

**Range:** Duramax Fibreglass

**Sub-range:** Modern and Traditional Ranges

**Material(s):** fibreglass, foam and resin

**Finish:** woodgrain emboss or smooth skin

**Warranty:** 10 years on door, subject to limitations:

- Colours with LRV of more than 10% must be used (see your paint manufacturer for the LRV rating)
- Both sides of the door must be coated in the same products and colour
- Parkwood don't recommend dark gloss colours as they can show a slight 'wave' in the door

### Construction

- Fibreglass skin
  - Made from sheet molding compound
  - 2.0m +/- 0.2mm thickness
- LVL supporter
  - Each door is constructed using an internal structure supporter manufactured from LVL (Laminated Veneer Lumber)
  - Thickness: 30mm
- Stile of both sides
  - The stiles are one (1) piece of composite stile
- Top rail
  - The top rail is one (1) piece of composite and one (1) piece of LVL
- Bottom Rail
  - Bottom rail is one (1) pieces of composite and one (1) piece of LVL
- Lock Block
  - Both sides full size lock blocks in each door
- Glue
  - The glue used to bond the fiber glass door skins to the Frames is Urethane Adhesive Resin
- PU Foam
  - Type : Rigid Polyurethane Foam(2K : Polyol + ISO)
  - Each door is filled with rigid polyurethane foam
  - PU Foam to a density of  $44 \pm 3 \text{ kg/m}^3$  (Over all density)
  - Blowing agent of Polyol is Cyclo-Pentane and Water
  - Thermal conductivity of PU Foam is below  $0.02 \text{ Kcal / m} \cdot \text{h} \cdot ^\circ\text{C}$  (ASTM C 518)
  - Ozone destruction index is 0, Global warming index (GWP)is below 0.01
- Glazing
  - 23mm tempered double glazing (6mm / 12mm air / 6mm)