

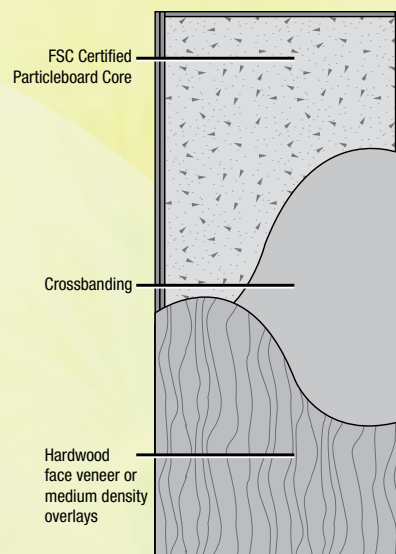
# FSC™ PC-5 Novodor® FD 1/3 Hour (Neutral or Positive Pressure)

Algoma's Novodor is an architectural door made with FSC Certified particleboard core.

**Solid lumber outer stiles, along with Structural Composite Lumber (SCLC) rails and inner stiles, are securely bonded to the core under side pressure.** To ensure strength, rigidity and freedom from telegraphing of core parts, this bonded core is then sanded before **hot pressing** a crossband and face on each side of the core assembly. This makes the highest quality assembly for fine hardwood veneers and composite overlays for solid color finishes. **Algoma uses only the better of two grades of particleboard** conforming to ANSI Standard A208.1-1993, Grade LD-2 with face screw holding power of 124 pounds, modulus of rupture of 725 psi, modulus of elasticity of 148,700 psi and density of 30–32 pounds per cubic foot.

**Algoma uses only face veneers at least 1/50" (0.5mm) thick at 12% moisture content.**

**Positive Pressure Note:** Algoma recommends using Category B 1/3 hour single swing doors. Please refer to Positive Pressure in Product Features Detail Section below. The selection of Category B 1/3 hour doors will offer cost savings and no aesthetic compromise.



## Product Features

<b>THICKNESS</b> – 1 3/4" (44mm) available FD 1/3 hour labeled. 1 3/8" (35mm) available FD 1/3 hour labeled. 2 1/4 (57mm) available, neutral pressure only.
<b>MAXIMUM SIZE</b> – Available prefit up to 4'0" x 10'0" (1219 x 3048mm); Category B: 4'0" x 9'0" (1219 x 2743mm). In FD 1/3 hour, 4'0" x 10'0" is maximum for singles and 8'0" x 10'0" (2438 x 3048mm) pairs. Also available in double egress pairs up to 8'0" x 9'0".
<b>STILES (EDGE BANDS)</b> – 1 3/8" (35mm) prior to factory trimming, glued to core. CE-compatible edges standard. ME—same species available.
<b>SPECIAL EDGE TREATMENTS</b> – To reduce edge damage, polymer edges with FD 1/3 hour label available.
<b>TOP &amp; BOTTOM RAILS</b> – 7/8" (22mm) prior to factory trimming, glued to core; Structural Composite Lumber (SCL).
<b>CORE</b> – FSC Certified, Conforms to ANSI A208.1-1993, GRADE LD-2 covering mat-formed particleboard with face screw holding power of 124 pounds, modulus of rupture of 725 psi, modulus of elasticity of 148,700 psi and density of 30–32 pounds per cubic foot.
<b>REINFORCEMENT</b> – Reinforced top and/or bottom rails are available to eliminate the need for through-bolting when installing closers or holders. Note: Screws must penetrate doors a minimum of 1 1/2". Please see Hardware 5 and 13 for PC-5 reinforcement options.
<b>CROSSBANDS</b> – 1/16" (1.6mm) minimum wood-based composite.
<b>FACES</b> – Various foreign and domestic species, medium density overlay (MDO) and most low sheen .050 thickness High Pressure Decorative Laminates. Faces are a minimum of 1/50" (0.5mm) at 12% moisture content. All faces to be per WDMA I.S.1-A face grades unless otherwise specified.
<b>ADHESIVE</b> – Doors constructed using water-resistant adhesives (Type 1).
<b>VENEER MATCHING</b> – Available in pairs, sets or matching transoms.
<b>DETAILS</b> – Standard lites and louvers available not to exceed 40% of door area and 54" (1372mm) in length. Maximum glass opening on FD 1/3 hour doors is 1,296 sq. in. (0.836m <sup>2</sup> ) with wood beads and clips or metal vision panels. Applied mouldings, quirks, and divided lites also available. Larger lites available with special glazing. (Contact Algoma for positive pressure approvals.)
<b>MACHINING</b> – Available with hinge and lock machining as well as rabbets, holders, drop seals, pivots, etc.
<b>FINISHING</b> – Available in finishes with performance characteristics equivalent to AWI System TR-6, standard or custom colors. Also available primed four sides, painted, or sealed top and bottom. Opaque finish (OP-6) on medium density overlay only.
<b>WARRANTY</b> – For interior, full warranty for life of original installation.
<b>STANDARDS MET OR EXCEEDED</b> – WDMA I.S.1-A Series, ARCHITECTURAL WOOD FLUSH DOORS. Architectural Woodwork Quality Standards Section 1300, Architectural Flush Doors and Section 1500, Factory Finish.
<b>SPECIAL SERVICES</b> – Provides STC rating of 28-32 when supplied with gasketing/drop seal. Provides detention security rating of Grade #40 with ASTM Impact Test F 476.
<b>POSITIVE PRESSURE – CATEGORY A:</b> Singles and pairs have intumescent built into the door, and no additional fire seals are required. If smoke and draft control doors are also required, then a category H seal must be applied to the frame.
<b>CATEGORY B:</b> Singles and pairs require a category G edge seal applied to the frame. Pairs also require a category G edge seal applied to one of the meeting edges.

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More than a name...it's a standard.

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