

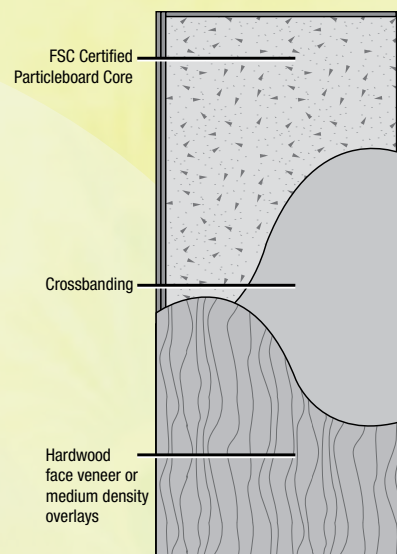
FSC™ PC-5 Novodor® FD 1/3 Hour (Neutral or Positive Pressure)

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

THICKNESS – 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.
MAXIMUM SIZE – 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".
STILES (EDGE BANDS) – 1 3/8" (35mm) prior to factory trimming, glued to core. CE—compatible edges standard. ME—same species available.
SPECIAL EDGE TREATMENTS – To reduce edge damage, polymer edges with FD 1/3 hour label available.
TOP & BOTTOM RAILS – 7/8" (22mm) prior to factory trimming, glued to core; Structural Composite Lumber (SCL).
CORE – 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.
REINFORCEMENT – 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.
CROSSBANDS – 1/16" (1.6mm) minimum wood-based composite.
FACES – 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.
ADHESIVE – Doors constructed using water-resistant adhesives (Type 1).
VENEER MATCHING – Available in pairs, sets or matching transoms.
DETAILS – 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 ²) 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.)
MACHINING – Available with hinge and lock machining as well as rabbets, holders, drop seals, pivots, etc.
FINISHING – 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.
WARRANTY – For interior, full warranty for life of original installation.
STANDARDS MET OR EXCEEDED – WDMA I.S.1-A Series, ARCHITECTURAL WOOD FLUSH DOORS. Architectural Woodwork Quality Standards Section 1300, Architectural Flush Doors and Section 1500, Factory Finish.
SPECIAL SERVICES – 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.
POSITIVE PRESSURE – CATEGORY A: 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.
CATEGORY 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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