eiDOORS®

Eggers • InPro • High Impact Protection

- Fully clad, high quality doors from Eggers Industries using InPro’s durable IPC rigid sheet material
- Provides superior impact protection against heavy abuse to doors
- Choose from flush eiDoors or eiDoors with a removable edge
- Contact Eggers Industries at sales@eggersindustries.com or call 920-722-6444 for more information or to order
- Both IPC Rigid Vinyl Sheet and IPC Enviro GT non-PVC Sheet are GREENGUARD Indoor Air Quality and Children & Schools Certified
eiDOORS®
Suggested Specifications

PART 1 GENERAL

1.1 SECTION INCLUDES
Wood doors non-rated and fire-rated (Choose applicable eleva-
tions).

A. Flush
B. Glazed
C. Louvers
D. Transoms (no non-rated and fire-rated)

E. Neutral and Positive Pressure-rated fire doors
F. Dutch doors

Edit the listing of related sections to fit your project require-
ments.

1.2 RELATED SECTIONS
(List only the following sections that have a direct bearing on
this section)
A. Section 06200 - Finish Carpentry
B. Section 08000 - Architectural Woodwork
C. Section 08110 - Metal doors and frames
D. Section 08210 - Stile and rail wood doors
E. Section 08700 - Fire-Rated doors
F. Section 08800 - Glazing

G. Section 10200 - Louvers

List standards referenced in this section, complete with designa-
tions and titles.

1.3 REFERENCES AND REGULATORY REQUIREMENTS
A. NFPA 252 - Standard Methods for Fire Assemblies.
B. UFC 1-2-97

C. UL 10 (b) - Fire Tests for Door Assemblies - Neutral Pressure
D. UL 10 (c) - Fire Tests for Door Assemblies - Positive Pressure
E. NFPA 251 - Fire Tests - Positive Pressure
F. Quality Standards:
   1. WDMA Industry Standard I.S. 1-A-04 (Window and Door
      Manufacturers Association)
   5. (American National Standard Institute)
   6. I.E.E.D. 3.0
   7. Door Construction [recommendation for maximum IEEED con-
      tributions]
   Core (choose one):
      A. FSC particleboard core conforming to ANSI 208.1 LD-2 (FSC
         Credits MR 4, MR 7, EQ 4)
      B. Ag Mercer Core. FSC Credit MR 4, MR 6 and EQ 4
      C. Stiles: Exposed surface vinyl banded or solid lumber painted
         to match face material. Edges strips bonded to core. No added
         urea-formaldehyde in wood components and adhesives.
      D. Dutch doors
      E. Removable Edges: Screw attached to edge of door and vinyl
         clad.
      F. Top and Bottom Rails: Mill option hardwood or SCL, glued to
         core. 5" & 6" and 12" optional. No added urea-formaldehyde in
         wood components and adhesives. L.E.E.D Credit EQ 4.4
      G. Crossbanding: High-density fiberboard with no added urea-
         formaldehyde or sound hardwood veneer. L.E.E.D Credit EQ 4.4
      H. Adhesive: Glue lines for assembly between the plies of face,
         crossbanding and core are to be Type I (polyvinyl acetate (PVA)
         or catalyzed ethylene vinyl acetate (EVA). LEED Credit EQ 4.4
      I. Face Material: IPC Enviro GT non-PVC face and edge cladding
      J. Labeling Agencies
         1. Underwriters Laboratories, Inc. (UL) -Neutral pressure and
            positive pressure rated doors

1.4 SUBMITTALS
A. Submit under provisions of AW Section 01300.

Edit the product listings as required for your project.

B. Shop drawings: Illustrate door opening criteria, elevations,
sizes, types, swings, undercuts, special beveling, blocking for
hardware in mineral core doors, identify cutouts.

C. Indicate compliance with positive pressure
   Indicate door core materials, thickness, construction, Inpro
   Vinyl clad face material [Vinyl color code and name].
   Construction samples. Submit one or more of manufacturer's
   standard samples demonstrating door construction.
   F. Manufacturer’s full lifetime warranty

1.5 QUALITY ASSURANCE
A. Meet or exceed WDMA LM 1-A Performance Standards (Heavy
   Duty)

B. Labeling: Doors: Listed and conform to the requirements of:
   1. Underwriters Laboratories (UL)

1.6 DELIVERY, STORAGE AND HANDLING AND SITE CONDITIONS
A. Deliver, store and handle products under provisions of
   WDMA and manufacturer's care and handling instructions.

B. Accept doors on site in manufacturer’s standard packaging.
   Do not store in damp or wet areas. HVAC systems should be
   operating and balanced prior to arrival of doors. Acceptable
   humidity shall be no less than 25% nor greater than 55%.

C. Face material may be light sensitive. Protect doors from expo-
   sure to natural and artificial light after delivery.

1.7 COORDINATION
A. Coordinate work under provisions of Section 01620.
   B. Coordinate the work with door opening construction, door
      frame and door hardware installation with a pre-installation
      conference.

1.8 WARRANTY
A. Provide manufacturer’s warranty to the following term:
   1. Interior Solid Core Doors “Full Life of Original Installation”
      including rehung and refinished if door(s) do not comply with
      warranty tolerances.
      2. Include coverage for delamination, warping, bow, cup and
         telegraphing of core construction beyond warranty tolerances.

PART 2. PRODUCTS

2.1 MANUFACTURER
A. Eggers Industries, 5-ply press door quality as defined in
   this section.
B. No substitutions.
C. MATERIALS
A. WORMANSHIP
   Comply with WDMA workmanship for faces, vertical edges,
   crossbands, horizontal edges and dimensional tolerances.

B. DOOR CONSTRUCTION GRADE
   Except as may be otherwise shown on the drawings fabricate
   the work of this section to WDMA “Custom Grade” for P-5
   pressed doors.

C. FLUSH DOOR FACING
   1. Vinyl clad [IPC Rigid Vinyl Sheet (Rigid PVC) or IPC Enviro GT
      (non-PVC)] 0.040 face thickness, pattern, and color
   Specify sections F and G per project requirements. See WDMA
   A-4 or AW Section 1300 G14 and C13.

D. DOORS IN PAIRS OR SETS
   1. Door schedule shall reflect pairs and sets by door numbers,
      including doors separated by a mullion.
   E. DOORS WITH TRANSOMS (Choose One)
      1. Continuous Match [standard unless otherwise noted]
      2. End Match
   F. 2.3 FABRICATION
      A. DOOR AND TRANSOM PANEL CORE CONSTRUCTION
      Specify per project requirements. Choose One construction and
      One pressure option, if applicable, from items 1-3.
      1. All constructions to include: Bond stiles and rails to core,
         adhesive sand core assembly to achieve uniform thickness.
         Crossband to be minimum 1/11th high density fiberboard
      2. Non-rated. ANSI A208.1
         1. Dutch doors: Standard Pressure. (MR 4 or FSC)
      3. Kiln Dried Staves: with one species per core SLC (standard or
         FSC)
      4. 90-60 or 90-minute mineral core fire-rated (not available
         with removable edge).

   G. Neutral Pressure
      1. Positive Pressure
         Category A (concealed intumescent) or B (frame mounted
         intumescent).

   Modify or omit this listing to meet your project requirements.

   Specify STC rating required.

   5. Acoustical The Sound Transmission Class (STC) specified shall
      be certified by the manufacturer to be based on tests con-
      ducted at an independent testing agency in accordance with
      ASTM E90-90 and E413-87. Earlier tests not acceptable.

   Do not accept delamination, warping, bow or cupping.

   6. 45-, 60- or 90-minute mineral core fire-rated (not available
      with removable edge).

   Neutral Pressure
   Positive Pressure
   Category A (concealed intumescent) or B (frame mounted
   intumescent).

   Modify or omit this listing to meet your project requirements.

   Specify total lead thickness required.

   7. Lead Lined L1 [_____] inch [_____] mm thick shear.
   LL-20 min.

   Modify or omit this listing to meet your project requirements.

   8. Optional Lite, Louver and Astragal Details:
   1. Lite openings shall be furnished with wood lite beads, painted
      to match the face.

   2. Louvers in non-rated doors shall be wood, painted to match
      the face.
   3. Wood louvers shall be manufacturer’s standard construction.
   Louvers shall be made with matching louver to the door face
   and be factory installed. Wood louvers shall be [Choose one]
   Single slat or V-style chevron.
   4. For pairs of fire doors where no metal meeting edges are
      desired, specify “No Metal Meeting Edges Accepted.” Metal
      astragals or edge sets for pairs of fire doors to be formed and
      pre-machined.

   C. VERTICAL EDGES (STILES)
   1. Matching Edges to match face material; edges applied after
      face.

   2. 20-minute rated pairs do not require metal edges or astragal
   3. Remove face edge option (available on non-rated and 20 min-
      ute doors only).
   4. Remove replaceable edge on hinge and lock stiles to be
      7/16 non- visible at door frame stop.

   Specify per project requirements. Choose One construction and
   One pressure option for items 4 and 5, as needed.

   4. Mineral Core
   Mineral core doors are to be manufacturer's standard edge for
   improved screw holding and fire rating.
   • Sglies: vinyl edge banding to match face; edges applied after
      face.
   • Pairs: vinyl edge banding to match face over manufactur-
      er’s edge for improved screw holding. Edges applied after face
   • As required by manufacturer to meet Positive Pressure
   Category A (concealed intumescent) or B (frame mounted
   intumescent).

   D. HORIZONTAL EDGES (RAILS)
   Mill option structural composite lumber or hardwood lumber no
   exposed intumescent.

   E. ADHESIVES
   1. Face Adhesive: Type 1
   2. Inner Blocking for AGFIBER and MINERAL CORE DOORS
   Supply inner blocking for all surface applied hardware - Through
   bolts not accepted.
   4. MACHINING
   Factory fit and machine doors for frame and finish hardware in
   accordance with hardware and NFPA 80 requirements and
   dimensions. Do not machine for surface hardware. Apply
   appropriate fire labels.

P.O. Box 406 • Muskego, Wisconsin 53150 USA
inprocorp.com
Nationwide 800.222.5556/Fax 888.715.8407
International Sales 262.679.5521/Fax 262.679.5524

AnPRO Corporation
Modify or omit this listing to meet your project requirements. If applicable, choose one.

H. DUTCH DOORS TYPE:
1. One side shelf
2. Two side shelf
3. 20-minute shelf
4. No shelf

2.4 ACCESSORIES
Modify or omit this listing to meet your project requirements. If applicable, choose one.

A. LOUVERS
1. Wood louvers as detailed on the elevations.
2. Louvers to be furnished by the door manufacturer.
3. Metal Louvers: Specified in Section 10255. Specify per project requirements. Choose item 1 or item 2, and one construction option.

B. GLAZING STOPS
1. Non-Rated:
   • Wood, painted or stained to match door face
   • Metal Vision Frames
2. Fire-Rated:
   • Flush, veneer wrapped bead, painted to match face
   • Metal Vision Frames

Verify compatibility of glazing system with positive pressure requirements. Adjust top rail on full glass doors to accept hardware so that no hardware is visible in daylight opening. STC doors with light kits shall be factory glazed to maintain rating & warranty. Labeled fire rated doors to be factory glazed to comply with NFPA 80. Modify or omit this listing to meet your project requirements. Choose one option for item 1.

C. MEETING EDGES FOR PAIRS OF FIRE RATED DOORS
1. Metal edge and astragal or metal edges [or] On fire rated pairs, no metal meeting edges allowed
2. Manufacture doors whereby the opening will not require either an overlapping metal edge and astragal or metal meeting edges. (Special hardware requirements apply).
3. Meeting edge complies with Positive Pressure requirements for Category A, Category B, or Neutral pressure applications [Choose One]

Modify or omit this listing to meet your project requirements. Choose one option between A-E. Refer to www.eggersindustries.com or Eggers Standard Color Finish Portfolio for color guides. Consult an Eggers representative for custom color options.

PART 3. EXECUTION
3.1 EXAMINATION
A. Verify that opening sizes and tolerances are acceptable and ready to receive this work.
B. Do not install doors in frame openings that are not plumb or are out of tolerance for size or alignment.
C. Use three hinges for doors 7'-6" in height or less and one additional hinge for each incremental 30 inches of height over 7'-6".

3.2 INSTALLATION
A. Install fire-rated and non-rated doors in accordance with applicable NFPA 80, Manufacturers’ instructions and to UL requirements.
B. Trim door height by cutting bottom edges by a maximum 3/4 inch (19-mm).
C. Trim fire door height at bottom edge only, in accordance with fire rating requirements. Allow a maximum clearance of 1/8" at each side and at top of door.
D. Do not trim doors for width.

Choose one option for sections F and G, or omit this listing to meet your project requirements.

E. Pilot drill screw and bolt holes using templates provided by hardware manufacturer [or] select pilot holes to be factory drilled.
F. Exercise caution when drilling pilot holes and installing hinges to ensure pilot holes are not over-drilled and screws are not over-torqued. Do not use self-drilling or combination screws to attach hardware. Follow Manufacturer’s installation instructions.
G. Coordinate installation of doors with installation of frames and hardware.
H. Coordinate installation of glass and glazing.
I. Install door louvers and light kits plumb and level.
J. Reseal or refinish any doors that required site alteration.

3.3 WARRANTY TOLERANCES
Conform to WDMA standards and testing methods for warp, cup, bow and telegraphing.

3.4 ADJUSTING
A. Adjust work under provisions of Section [______]
B. Adjust doors for smooth and balanced door movement.