



Eggers Industries manufactures architectural wood doors, panels and veneered components for premier commercial projects. Traditional craftsmanship and cutting edge technology work hand-in-hand to provide competitive production capabilities and extensive customization. Each *Eggers News* will highlight a feature project, technical and industry information that showcases Eggers' design solution opportunities.

Eggers' eiDoor with Replaceable Edge Receives 45, 60 Minute Approvals

Egger's most impact resistant door just became more versatile. The eiDoor, a flush door with the quality and beauty of an Eggers door and the impact resistance of InPro's IPC Rigid Sheet face, has always presented customers with unique design options. Whether ordering a solid color or a wood grain pattern, a standard or smooth face, or any variety of core types, the eiDoor provides as much adaptability as it does durability.

In addition to these options, the eiDoor is available in two edge options: a fixed edge and a replaceable edge. The fixed edge construction has long been available in non-rated through 90-minute constructions. Until recently the removable edge was limited to non-rated and 20-minute constructions.

Eggers is proud to announce that the eiDoor with removable edge has now received approvals for 45 and 60 minute applications from UL. These approvals are in addition to the 20-minute ratings previously attained. Technical details regarding these approvals can be found on page 2.



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Eggers' eiDoor with Removable Edge receives 45, 60 Minute Approvals

eiDoor with Replaceable Edge	45-Min Single	45-Min Pairs	60-Min Single
Maximum Size	4' x 8'	8' x 8'	4' x 8'
Thickness	1-3/4"		
Core	Mineral Core		
Reinforcements	Blocking is required for screw-attached surface hardware for all duty levels.		
Faces	InPro IPC Rigid Face (rigid PVC) and IPC Rigid Face GT™ (Non-PVC)		
Crossbands	1/11" high density fiber		
Lites	Up to 54" high and 1296 sq in; for temperature rise applications lites over 100 sq in must be fire-resistive glazing.		
Louvers	Fire-rated metal louvers up to 576 sq. in. where allowed by code		
Latching Hardware	Singles: Cylinders, mortised, unit, or card locks with up to 5" backset. Electrified locks are permitted. Deadbolts as secondary latches		
Hinges	Per NFPA-80. Butts or pivots. Electrified hinges are permitted.		
Flushbolts	NA		
Fire exit Hardware	Single Swing: Rim or Mortised exits; Std Pair: Rim or Mortised exit, SVR (full or top rod only); DE Pair: SVR (full or top rod only).		
Closers, Stops, Holders	Surface Mounted		
Drop seals	Surface Mounted		
Viewers	Single viewers up to 1" diameter, two viewers if less than 1" diameter.		
Magnetic Switches	Tubular or rectangular type switches where listed as fire door accessories		
Special Details	Machining for hardware, installation of lites and louvers, raceways.		
Warranty	Life of original installation - not warranted for exterior installations.		

Eggers Introduces the Foam Core Door

Eggers' Foam Core door is everything you would expect from an Eggers door...high-quality, innovative, and stunning. What you might not expect is its lightweight construction, creating an ease of use and flexibility standard weight doors cannot match. Perfect for office systems, sliding doors, or unique applications such as yachts, Eggers' Foam Core doors put less stress on the frame opening, are easier to move and install, and contribute towards LEED credits, all while offering the same beauty and style of Eggers' traditional wood core doors. For more information or pricing on our Foam Core door offerings, please contact us at 920.793.1351 or click [here](#).



Green Update: CARB Phase 2

On January 1, 2009, the California Air Resources Board (CARB) started enforcement of Phase 1 of their Air Toxic Control Measure regulation for formaldehyde emissions. This measure limits the formaldehyde emissions from composite panels (i.e., hardwood plywood, particleboard and medium density fiberboard) and composite wood used in finished goods such as doors, jambs and panels. Eggers has been able to successfully incorporate materials that meet CARB Phase 1 regulations in our complete product line without additional cost to our customers.

As of January 1, 2010 Phase 2 formaldehyde emission levels are required for all hardwood plywood made with veneer core platforms. Phase 2 regulations for particleboard and medium density fiberboard will be effective on January 1, 2011. The emission levels for Phase 2 are significantly less than Phase 1 and will have costs impacts on composite panel products and ultimately finished goods made with composite panels.

In preparation for the transition to Phase 2 for particleboard and MDF, the composite panel industry has developed products that meet these emission levels. These products will require adhesives that are more expensive, mainly due to the materials required to replace the current adhesive systems. New technologies such as soy-based adhesives and ultra-low emitting formaldehydes continue to evolve and are projected to reduce the cost impact of the Phase 2 compliant material.

Currently this regulation is only for products being sold, supplied, or installed in the State of California. There are proposals before the EPA and the U.S. Senate to adopt the CARB regulation as a Federal standard. At this time information on the effectiveness and overall economic impact of a Federal regulation is being reviewed by a Senate sub-committee and the EPA. Eggers will keep you informed on any updates in regards to these Federal proposals.

Phase 2 emissions standards are detailed in the chart below:

Emissions Limits for Hardwood Plywood, Particleboard and MDF				
Must use compliant products in finished goods for California				
Product	January 1, 2010	January 1, 2011	January 1, 2012	July 1, 2012
Hardwood Plywood – veneer core	0.05 ppm	-----	-----	-----
Hardwood Plywood – composite core	-----	-----	-----	0.05 ppm
Particleboard	-----	0.19 ppm	-----	-----
Thick MDF	-----	0.11 ppm	-----	-----
Thin MDF	-----	-----	0.13 ppm	-----

Eggers' Acoustical Doors...More than Just Sound Proof

When Eggers got a request from a distributor to replace an acoustical door utilized for airport housing just days after it had been installed, we knew there had to be more to the story. Little did we know our acoustical doors are more than just sound proof...apparently they are also a bit burglar proof.

In speaking with the distributor, just 6 days after the sound group 3 door was installed, someone tried to break into the house. They couldn't break through the door, but the moulding was damaged enough that it needed to be replaced. He mentioned that the local police were quite impressed with the durability of the Eggers' acoustical door...no doubt the home owner was, too!

Project Spotlight: Portola Valley Town Center Receives LEED Platinum Certification

With less than 120 non-residential buildings in the world currently LEED Platinum certified, Eggers Industries considers it quite an honor to have provided the wood doors for yet another of them: the Portola Valley Town Center in Portola Valley, CA. The facility, which contains the city's library, community hall, and town hall, was built to replace the three old town structures that sat on top of the San Andreas Fault. The old site was turned into a park and play fields.

The focus of the city was to compliment the natural beauty of the landscape in the greenest way possible. Materials from the old facilities were reused as beams, paneling, countertops, and structural fill. The new buildings are 20% smaller than the previous 3 facilities and the exterior siding and louvers are salvaged wood.

To remain environmentally conscious and continue to accent the natural beauty of the California landscape, the designer chose Vertical Grain Fir doors that were constructed of FSC certified cores and contained no Urea-Formaldehyde. The doors were finished utilizing Eggers' water-based stains and clear coats containing low Volatile Organic Compounds (VOC's).

To achieve LEED Platinum Certification under LEED –NC 2.2, the Portola Valley Town Center had to receive a minimum of 52 out of 69 possible credits in the areas of Sustainable Sites, Water Efficiency, Energy and Atmosphere, Materials and Resources, Indoor Environmental Quality, and Design Process and Innovation.

Some of the additional awards Portola Valley Town Center has been recognized with include: the Top Ten Green Projects (by the National AIA Committee on the Environment), California Wood Designs Award for Green Buildings, and the Design award, Merit Award for Architecture, and Savings by Design Honor Awards (all by the AIA California Council).



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