EGGERS NEWS

SEPTEMBER/OCTOBER, 2009

Eggers Industries

Turning nature's beauty into works of art

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.

INSIDE THIS ISSUE

Understanding Acoustical Performance Test Methods

If you have ever worked on a project for a school, theatre, auditorium, or even a corporate office, you have likely found requirements for acoustically rated doors, sometimes referred to as STC doors. Understanding what acoustical doors are and how they are tested is critical in ensuring all requirements of the project are met.

Testing Methods

Acoustic doors are doors that have been evaluated for sound transmission at a qualified testing laboratory per the ASTM standard test. This testing is done in one of two assemblies: as a fixed panel (inoperable assembly) or an operable assembly. The method by which an STC rating is tested can have a significant impact on its performance.

The first type of testing is done in a fixed panel, or inoperable assembly. The door is fully sealed to the frame perimeter, eliminating any sound leaks around the door perimeter. This type of test is helpful in determining the performance of the basic construction, but does not address a realistic application. Unless the door will be installed as a fixed panel, the actual STC rating on the door in an operable assembly will be lower since an operable door is not sealed to its frame, allowing sound to leak through. Some door manufacturers will advertise an STC rating based on this type of testing, however, that rating may not be accurate in an operable assembly. For instance, a door tested in an inoperable assembly may be labeled as an STC 33, when field performance will actually be an STC 31 or 32.

All Eggers' acoustical doors and jambs are tested in operable assemblies to ensure rating accuracy in the field.

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For more Eggers news and event information, visit www.eggersindustries.com and choose About Eggers.

Understanding Acoustical Performance Test Methods

Instead, Eggers Industries tests all its acoustical doors and jambs in an operable assembly. In this case, the door is installed in a frame, including hinges and latching hardware and gasketing system. In addition to including all of the required components of an operable assembly, this test method requires the door to be operated normally through five open/close cycles, without subsequent adjustments, prior to running the acoustical test. This test method provides a more realistic performance than an inoperable test.

To ensure doors meet all applicable standards, specification writers should specify not only the STC rating desired, but the test method that should be used. To ensure field acoustical ratings meet the requirements of a project, operable assembly testing is highly recommended.

Guaranteed STC Ratings

Using the proper components and completing proper installation of STC doors is also essential to ensuring that field acoustical ratings match the requested rating. Eggers is able to guarantee our doors will meet the advertised STC ratings when properly installed using the door construction, hardware, seals and, where applicable, the lites described in our STC Product Offering matrix. This guarantee is given with confidence because of the stringent acoustic tests we conduct on all acoustic assemblies.

Eggers Expands Coverage on Top and Bottom Pivot Only Doors

Eggers Industries is pleased to announce that it is expanding its warranty to include coverage for non-rated doors, 1 ¾" through 2 ¼" thick, hung with top and bottom pivots only. This coverage includes Stile and Rail as well as flush doors using particleboard, SCL, stave lumber, or agrifiber cores.

This warranty applies to:

- Flush Particle, Agrifiber, and Stave Core Doors up to 8' in height
- Flush SCL Core Doors up to 9' in height
- Stile and Rail Doors up to 8' in height

Visit Eggers at Upcoming Tradeshows!

It's tradeshow season again and Eggers would like to invite you to visit our booths at the following upcoming shows:

The 34th Annual DHI Conventions and Expo
Gaylord Palms Hotel and Convention Center
Orlando, Florida
September 16-18
Booth 1313

NAEC United Convention
Gaylord Palms Hotel and Convention Center
Orlando, Florida
September 20-23
Booth 030

OFDA Dealer Strategies Conference
Hyatt Regency Lost Pines Resort and Spa
Austin, Texas
October 3-6
Booth 11

The 57th AWI Annual Convention
The Westin Alexandria
Alexandria, VA
October 7-10
Booth 34

GreenBuild International Conference and Expo
The Phoenix Convention Center
Phoenix, Arizona
November 11-13
Booth 4435

Going Green: SmartWood/FSC Update

Wood has been under environmental pressures for years due to illegal harvesting and conversion of forests to non-forest use, such as farmland and urban development. The rainforests of South America, Southeast Asia and Africa continue to be under siege from these pressures. The health of our forests is important to Eggers, not only as a wood user, but as a concerned member of our global society.

As part of our commitment to responsible forestry practices, Eggers has been certified since 2002 by SmartWood to manufacture products in accordance to the standards set forth by the Forest Stewardship Council (FSC). The Forest Stewardship Council is an independent organization which is committed to the continued responsible management of the world's forests. SmartWood is an independent third party certification organization responsible for assuring that FSC members are following the standards set by FSC.

One of the core values of FSC is to continually monitor the health of the forests and make changes to the standards as their members see fit. Most recently, FSC implemented a change that has a significant impact on how we build FSC doors. In the past, flush doors could be FSC certified as long as the core was FSC certified and the minimum FSC content percentage was met. That is no longer the case. We now are held accountable for all the wood materials used to make a FSC certified product.

FSC has introduced "controlled" wood. Controlled wood must meet the 5 following criteria in order to be classified as controlled wood:

1) The wood must be legally harvested.
2) The civil rights of the native people in which the wood is harvested from cannot be violated.
3) The wood cannot be harvested from an ecological impact area such as the spotted owl territory or old growth Pacific Northwest forests.
4) The land in which the wood is being harvested cannot be converted to non-forest use such as farmland or plantations.
5) The wood cannot be harvested from genetically modified trees.

An assembled product such as doors, need to be constructed of wood that is FSC certified and "controlled" in order to be FSC certified. Based on the criteria for controlled wood, the only way that Eggers can use an imported wood species in an FSC product is for it to be FSC certified. This is an important change a designer and/or owner need to know when selecting a wood species for a project.

On July 27-28, all three Eggers facilities completed a 2009 FSC audit conducted by SmartWood. The preliminary report from the auditor was that is was a very successful audit. Of particular note is that Eggers did not have one deficiency in its procedures from time of quote to shipping and did not receive a single corrective action request. This is a huge accomplishment for Eggers and all employees and a testament to Eggers' dedication to environmental responsibility.

The FSC certification ensures responsible use of forest products.

Ask us for FSC certified products.

FSC

RAINFOREST ALLIANCE CERTIFIED

125 Years of Technology: Eggers' Commitment to Reinvestment

This is the third in a series of articles celebrating Eggers 125th Anniversary. Each article will focus on Eggers' contribution to the wood products industry and how it continues that commitment today.

"We recognize that machines exist not as a substitute for craftsmanship, but as an aid to it."

Craftsmanship has always been the true hallmark of Eggers Industries' products. That craftsmanship, evident in each detail of an Eggers' product, is aided by a commitment to reinvesting in our facilities, technology, and people. Eggers strives to set the industry standard for quality and technological capabilities.

Facilities: When Eggers was founded in 1884, operations began in a small factory on East River Street in Two Rivers, WI. As the company continued to grow, it continued investing in the facility through expansion. From 1884 to 1964, the facility went through 3 major expansions; additionally, in 1965 Eggers' purchased Hardwood Products Corporation in Neenah and in 1985 the company purchased a second Two Rivers facility. This expansion allowed for a greater diversification of product lines, increased ability to meet customers' needs, and facility specialization.

However, Eggers Industries was not content. In 1999 Eggers undertook a 100,000 SF expansion of its Neenah facility. This expansion not only modernized the facility, it also moved more manufacturing operations to a single story facility which enhanced the company's implementation of lean manufacturing with improved product flow and enhanced automation with the addition of a new UV finishing line and a Lebrun machining center. In 2004 Eggers took another huge step and built a brand new 260,000 SF facility in Two Rivers to replace the East River Street facility. The new, single-story facility was critical to increasing work flow and efficiency and incorporated many of the "green" measures undertaken at the time of the Neenah expansion.

Technology: A state-of-the-art facility filled with inefficient out of date equipment would hardly improve productivity and efficiency. However, Eggers Industries has also made significant reinvestments into technology as well as its facilities. From the time of its inception, Eggers worked to incorporate technology that would not replace craftsmanship, but rather aid it. Some of the most recent reinvestments included a new Progressive double end trim saw; an automated edge banding line; a Heeseman wide belt sander; a Holzma panel saw; and a new online quoting and order entry system.

People: Eggers Industries firmly believes there is no end to the learning process. New materials, machines, and discoveries make it necessary to continue to learn throughout our lives. In support of this philosophy, Eggers Industries places a strong emphasis on training and educating all employees.

Manufacturing employees are given constant training and feedback. Representatives from various vendors come in to share the newest innovations in the industry and train employees on the proper use of the technology. During slower times, employees are cross-trained for various positions within the plant to increase their knowledge. Those working in the office are given the opportunity to participate in monthly seminars that focus on a variety of topics including technical information, green innovations, and computer applications.

To Left: In this 1971 photo, employees move a veneer clipper into Eggers' old East River Street Facility

To Right: Eggers recently invested in a new state-of-the-art edge banding line.