

Purbond at the LIGNA 2011, Hannover, May 30 to June 3

The PURBOND® HB S-Line is now certified far beyond the borders of Europe

Purbond presents new approvals

At this year's LIGNA (May 30 to June 3) in Hannover, Purbond is presenting the new approvals for its patented HB S-Line. So far, the adhesives line was approved in Europe for the specific requirements of load-bearing glulam structures. Now, the field-proven product line has also been certified for use in Australia, New Zealand, South Africa, and South America.

Headquartered in the Swiss town of Sempach Station, the company developed this so-called "flexible" adhesives generation in collaboration with its technology partner Bayer MaterialScience. In 2009, its fiber-free single-component polyurethane adhesive (1C PUR) was the first product of its kind to pass the strict tests required for German and European approvals. This series has now been successfully expanded with further approvals.

What are the features of the PURBOND® HB S-Line?

With its HB S-Line, Purbond offers a vast spectrum of individually formulated products with processing times that can be precisely reconciled with the customer's applications: open times can be flexibly adjusted from 2 to 70 minutes.

The adhesives are fiber-free and thus allow the optimization of processes at the application technology level. Moreover, the new generation of PURBOND® HB S-Line adhesives makes it possible to reduce application volumes by 20 to 30% in comparison with earlier HB adhesives.

With respect to viscosity and flow behavior, PURBOND® HB S-Line adhesives are adjusted such that after application, they form perfect beads horizontally and vertically. The finer overall application pattern improves process reliability and guarantees optimized, 100% wetting of the surfaces of the mating parts.

The adhesives are used for finger joints and face bonds in the production of solid sawn timber, cross-laminated timber, glulam or X-Lam elements, duo and trio beams as well as log beams, covering the entire spectrum of structural timber components.

Application technology

Special application methods are also available for PURBOND® HB S-Line adhesives. Systems have been developed by Robatech and Oest. The new application technologies make it possible for users to leverage the full potential of the new adhesives generation in their production environments. They apply the adhesives precisely, in a clean, maintenance-free manner.

Production changeovers on existing lines, for example with Oest equipment, must be carefully planned with Purbond specialists. All adhesives of the PURBOND® HB S-Line are compatible with the monitoring systems introduced on the market by Purbond, such as the PURBOND PSS (Purbond Safety System – glue application monitoring for fingerjointing equipment).

PURBOND® HB S-Line adhesives – ecologically and physiologically unobjectionable

The products of the new PURBOND® HB S-Line contain neither solvents nor formaldehyde and thus fulfill even the most stringent current standards in Japan, such as JAIA F****. For manufacturers, this assures that the wood elements they sell to customers comply with the latest indoor climate requirements.

Also showcased: proven adhesives solutions

Apart from the new approvals of the PURBOND® HB S-Line, the internationally active company is also presenting proven and validated adhesives solutions for its key markets at LIGNA 2011: the classic glulam regions of Europe, North America, and Japan. The focus here is on the HB E-Line that was approved for the USA and Canada two years ago; it is the first range of 1C PUR adhesives certified for glulam construction in these two countries.

At the stand, bonded specimens, videos showing typical applications, and product information manifest the performance of PURBOND® products and affirm that the global trend in engineered wood is clearly moving in the direction of 1C PUR adhesives.

Purbond's own Center of Competence will also have a presence at the show. It manages and coordinates product development, application technologies, and marketing for the Swiss adhesives specialist. Its staff will be happy to answer any questions visitors might have.

Visit us at Stand E30 in Hall 12

About Purbond

Purbond is the global partner for manufacturers of engineered wood elements with moisture-curing liquid polyurethane adhesives. The staff members of Purbond's in-house Center of Competence assure that Purbond interacts with its local Henkel partners and based on the intensive exchange of know-how delivers tangible added value for the customer. Additionally, they manage and coordinate product development, application technologies, and marketing for the Swiss adhesives specialist. With its innovative products, high-end product quality, and world-class technical support, Purbond is the ideal partner for manufacturers of structural wood elements.

WS, May 16, 2011