

Successful Market Launch of New Innovative Production Pallet



Although only available since 2006, the new production pallet DuroBOARD®, developed by the companies ASSYX and Bayer MaterialScience, is already used in over 25 plants and it helps the concrete producers to improve their product quality and to increase their profit. The new production pallet ASSYX DuroBOARD® promises higher product quality and higher profitability because of a short constant vibration time and vibration transmission during the whole lifetime and because of a shorter production time, together with more product variety and diversity without loss. The use of a drawing plate is no longer necessary. The DuroBOARD® has a very long lifetime, which is supposed to be the same as a stone machine.

The ASSYX DuroBOARD® consists of a new composite material. The laminated Veneer Lumber (LVL) or glued laminated timber (3 layer) core of pine, fir or spruce is fully coated with 3 mm of Polyurethane. The chemicals and the production technology, realized in a completely new plant in Andernach in Germany, are developed by AS-

SYX in cooperation with Bayer MaterialScience, the world's leading manufacturer of two-component chemical reacting polyurethane foams.

The ASSYX DuroBOARD® combines the perfect physical features of wood, the most used construction material ever, durable over centuries in mining galleries or roofs, even Venice is grounded since hundreds of years on stakes, with Polyurethane, the most common industrial material for applications with high abrasion under static or dynamic load, e.g. mixer shovels, roller skate wheels, transportation belts, running shoes or skis.

It is wear- and tear-resistant, weather-proof, temperature-proof (-25 °C up to +90 °C) waterproof, chemical-resistant (you can use mineral or biodegradable release agents), very bend-proof (E-Module ~11.000 N/mm², nearly as hardwood), impact-resistant (no cracks will appear), break-resistant (you can drop it), and of course light as wood (easy to handle). It always transmits constant and fast vibrations.

You can get the ASSYX DuroBOARD® all over the world in all common sizes, particularly in regions with extreme climate where there is no alternative to this new pallet. It always stays light, even, smooth, and durable.

Since the ASSYX DuroBOARD® became available, the market for production pallets is changing. Today, a concrete producer has to calculate his costs very precisely. Therefore, purchasing production pallets is as important as purchasing a stone machine. Calculat-

ing for a lifetime, production pallets are at least as expensive as a stone machine. Nowadays, buying pallets has to be budgeted, too. To make sure that ordering DuroBOARDS® is the right decision, there is an elaborate quality control system at ASSYX. Each wooden core is scrutinized if its moisture, dimensions and bending stiffness suits the highest ASSYX quality standard.

A special, patented process ensures a complete coating of polyurethane and a minimum thickness of 3 mm on all sides. Bayer MaterialScience stands for the continuous and stringent quality control of the two components BAYDUR® and DESMODUR® and delivers them exclusively to ASSYX for the DuroBOARD® production.

The hardest quality control for the ASSYX DuroBOARD® is the injection molding process itself. The injection molding process has been developed especially for the DuroBOARD® production. During this process emerges a very high pressure in the mold. Each DuroBOARD® that leaves the mold will not have to function under such hard conditions ever again. But during the finishing work that is done by one of the highly qualified employees of ASSYX, there is a last control of the pallet before it is packed for shipping. It is obvious that it cannot be a failure to use the ASSYX DuroBOARD®.

The ASSYX DuroBOARD® has set a new benchmark for concrete production pallets. The outstanding innovation by ASSYX and Bayer MaterialScience has led to an outstanding product. ■

تستعمل منصّة الإنتاج الجديدة DuroBOARD في أكثر من ٢٥ معملًا لإنتاج الخرسانة على الرغم من توافرها في الأسواق منذ العام ٢٠٠٦ فقط. قامت شركتي ASSYX و Bayer MaterialScience بتطوير وتصنيع DuroBOARD الذي يساعد منتجي الخرسانة بتحسين نوعية منتجاتهم وتعزيز أرباحهم المالية. يتمتع DuroBOARD بمقاومة عالية للتآكل والتمزق وبإستطاعته مقاومة درجات الحرارة المتراوحة ما بين ٢٥ درجة تحت الصفر و ٩٠ درجة مئوية ومقاومة المواد الكيماوية، ذلك بالإضافة إلى وزنه الخفيف وسهولة إستعماله.

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