

Assyx GmbH & Co. KG, 56626 Andernach, Germany

# From concrete stone manufacturer to production pallet producer

Actually, in 2004, Manfred Kessler planned to retire. But then, not for the first time, he was appealed by his inventive talent. As shareholder of the family-owned block factory, he was familiar with the problems and troubles caused by the production pallets. Couldn't there be something better? And so, Manfred Kessler started a research of alternatives that finally led to the development of a completely new production pallet that has established itself in the meantime in production plants worldwide.

Actually, wood is an optimal material. Its ratio of weight and load rating, the bending stiffness and the elasticity are better than all other materials. And particularly softwood is a renewable resource, best for to safe the environment. The only disadvantage is that it can rot under hard conditions like frost and heat or wetness and dryness. The wood becomes weak. However, we walk through mining galleries, supported by wood over hundreds of years. Even Venice is grounded on wooden stakes, for many centuries. So there is a way to make wood durable, if one makes sure the right environmental conditions. At that point, Manfred Kessler started his work. From his former business he had contact to Bayer. He told his idea to the Bayer Scientists, to make the wood with an airproof and water-proof, inseparable coating of Polyurethane durable for many years to come. And the Bayer Scientists understood immediately, what he wanted. That was the moment, the Assyx Duroboard® was invented. The first prototypes of dimension 1350x1100x45 mm were produced in the Bayer Lab in Leverkusen. They had to come through a lot of tests. 2.000

pulses from each side, and each with a load of 5 tons. Proof of the material in the climatic chamber, from -25°C to +90°C. 240 days in water. No problem for the Assyx Duroboard at all. The Lab results were good enough to decide fast and easily not only to produce the pallets for the own plant but also for to launch the international market. The prototypes had been produced in black colour. But today, the Assyx Duroboard has an industry-beige colour. One can see everything on the surface. This is intended. It helps the machine stuff to do a much better maintenance and control.

Today there are more than 150.000 Assyx Duroboards all over the world running in concrete stone plants. Assyx started very well into the German and European market. Assyx has become also a significant supplier in the Middle East Region. Although the Financial and Economic crisis also has influenced the Middle East region, the demand is still reasonable. Particularly in this region with its special environmental conditions, the Assyx Duroboard is predestinated. The concrete stone manufacturers

get a lot of advantages. Alfred Rochlus, together with Manfred Kessler Assyx-Manager and responsible for International Sales, says: "Our high quality production pallet has also a worthy price. Buying the Assyx Duroboard will result in an optimal amortisation. Beside the very high lifespan in comparison to other production pallets it is the higher productivity of up to 20% more and the producing of 100% blocks that turns to account from the very first day."

Assyx feels confident to have a very competitive product and looks ahead optimistically.

## FURTHER INFORMATION



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Curing Chamber with 15.000 Assyx Duroboards



Fully Automated Production at the Assyx production site in Andernach, Germany