

Assyx GmbH & Co. KG, 56626 Andernach, Germany

Production area doubled

When the first Assyx Duroboards were delivered 11 years ago, the product's success story was not foreseeable. Today, Assyx is among the most important suppliers of production boards for the manufacture of concrete goods. However, the excellent order situation and steady growth brought capacity in the Assyx plant in Andernach to its limit. The company has now created a remedy with a hall expansion that included a doubling of the production area.

Assyx had a strong partner at its side during development of the Duroboard. Bayer MaterialScience (now Covestro), one of the world's leading manufacturers of polyurethane, was selected as coating supplier. Manfred Kessler, Assyx's founder, had the idea of giving a laminated wood core long-term durability using an air and watertight, completely and permanently bonded polyurethane envelope. The first prototypes were manufactured in Bayer's laboratory and rigorously tested. 2,000 pulse tests from each side, each with a load of 5 tonnes. -25 °C to 90 °C in the climatic chamber and 240 days in the water bath. The laboratory results were very impressive. The Duroboard success story could begin.

Assyx production boards are now in use in concrete plants throughout the world and the company has firmly positioned itself on the market with the Duroboard. For a young company, Assyx was able to open up new markets and permanently bind customers at a very impressive pace. However, this growth was also accompanied by problems. The customer could not always be promised acceptable delivery times. The production hall in Andernach was literally bursting at the seams. Warehouse space was also inadequate, so laminate cores, for example, had to be stored outdoors.

Reducing delivery times

The hall expansion has now created new capacity, which ensures that growth does not inevitably result in longer delivery times. An optional expansion was already taken into consideration when the existing production hall was being planned. A building application for a two-aisle hall was submitted and approved, but initially, only one hall aisle was built. The second hall aisle has now been added without additional planning expense.



A second hall aisle was added to the existing production hall.



The new hall area will not only benefit the classical Duroboard, but there is also machine technology planned for other and new products.

The classical DuroBoard is not the only beneficiary of the new hall area. Machine technology is also included for other and newer products such as an improved DuroBoard and self-supporting planks or surfacing for pedestrian and cyclist bridges, seat battens for benches and self-supporting floor slabs for stairs, landings, balconies or terraces. These products are marketed under the Assyx DuroConstruct brand and enjoy steadily growing demand. These products have multiple certifications and an application has been made for building authority approval.

Refurbishing of old Duroboards

In the meantime, more than 500,000 Assyx DuroBoards are in use around the world. This means that expansion of the board repair department is urgently required. The refurbishment can be further automated due to the new hall area. The coating can be partially removed from damaged Duroboards and re-coated accordingly. In this way, Assyx also improves this department, very much to the customer' benefit. ■

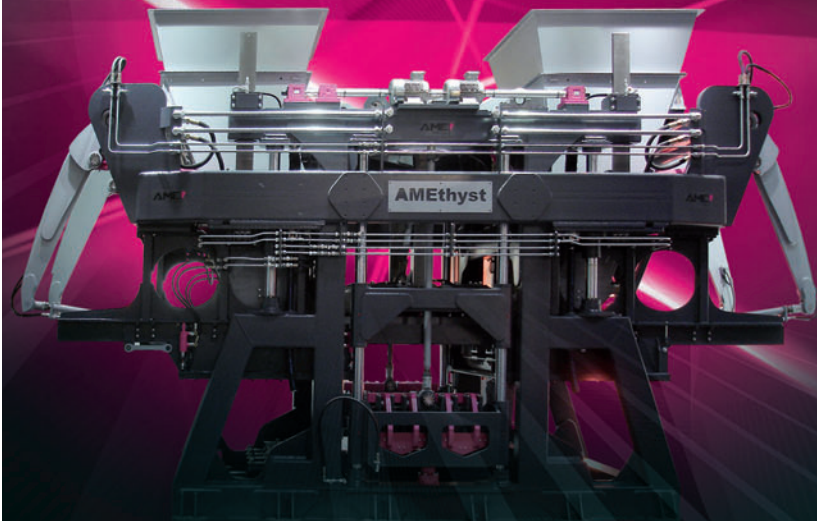
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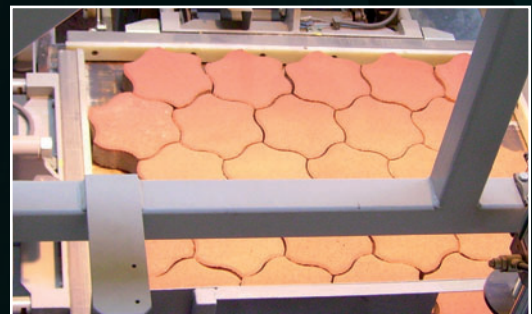
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