

Assyx GmbH & Co. KG, 56626 Andernach, Germany

For more than 3 years day after day  
in use at Marlux in Belgium

## لم يتوقفوا عن استخدامه ولو ليوم واحد على مدار 3 سنوات في مارلو بلجيكا

In the beginning of 2007 Assyx delivered 5.000 Assyx DuroBoards with the dimension 1.500 x 1.100 x 50 mm to Marlux in Belgium. Marlux belongs to the CRH-Group. There are several production sites, a. o. one in Heusden-Zolder, where the Assyx DuroBoards are doing their hard job for more than 3 years under complete satisfaction of Marc Paredis, Plant Manager.

مع بداية العام 2007، قامت أسيكس بتوريد 5.000 لوح من ألواح أسيكس ديورو (بأبعاد 1.500 × 1.100 × 50 ملم) إلى مارلو في بلجيكا. ومارلو هي إحدى شركات مجموعة CRH. وهي تمتلك عدداً من مواقع الإنتاج، ومنها موقع في هويدن-تسولدر، حيث تؤدي ألواح أسيكس مهمتها الشاقة على أكمل وجه وطوال 3 سنوات مستمرة وبإداء نال الرضا الكامل للسيد مارك باريديز، مدير المصنع.

On the Rekers-Block-Machine they produce kerbs, large-sized concrete tiles and pavers. They produce in a 3-shift-work with a minimum production time of 20 hours per day. The curing of the concrete products is accelerated by a Vapor Curing System from Kraft Energy and it takes a maximum of 16 hours. In fact every Assyx DuroBoard runs through the whole systems at least once a day. Calculated to the last three years, each board has much more than 700 cycles.

Nevertheless the compaction of the stones is still optimal and the stones have a very good side closure. Although more than 80 % of the manufactured products are not lifted off the board, but being pushed off the Assyx DuroBoard. To that fact Plant Manager Marc Paredis says: "The surface of the Assyx DuroBoard is extreme abrasion-resistant. In spite of our intensive conditions we cannot recognize any abrasion on the boards' surface. And the vibration transmission is just as well as at the first day."

The engineer, who is well versed in plastics, is not surprised. Polyurethane (PUR) will always be applied, where high mechanical

loads and strong rubbing is given. For example as charging cylinder for ready mix concrete, as wheels for heavy-duty trolleys or even as coating for mixers. Polyurethane is a duroplastic material. It is composed of the components Polyol and Isocyanat, which combines chemically and therefore durable an inseparable. Because of this fact polyurethane is not thermal separable or shapeable, like thermoplastic material. PUR is rather temperature- and weather resistant. Beyond that the PUR-Matrix used by Assyx is air- and waterproof and has been especially developed by Bayer MaterialScience. The light but nevertheless extremely rigid laminated timber core is completely wrapped with Polyurethane like with a saving skin, which makes it durable for a very long time.

And if there is a board damaged anyhow, it also is not a problem for the Marlux-staff. "Thanks of the Assyx Repair-Kit we have repaired a DuroBoard within a few minutes. To order new boards each year is history", tells us the Plant Manager Marc Paredis. ■

### FURTHER INFORMATION



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