INSTRUCTION MANUAL | ASSYX DuroBOARD®

Thank you for choosing ASSYX DuroBOARD® pallets; we are sure you have made the right decision. The ASSYX DuroBOARD® is a rigid dimensionally accurate pallet having a stable core made from glued, laminated timber. This stable core is then completely coated with BAYDUR®[1] polyurethane. The glued, laminated timber core guarantees optimum transmission of vibration. The BAYDUR®[1] polyurethane coating is waterproof, temperature proof and resistant to most weather conditions. By following these instructions, you will always benefit from constant vibration transmission during the extremely long lifetime of your ASSYX DuroBOARD®.

VibrationTable: The vibration motors must be adjusted to the improved vibration transmission of our ASSYX DuroBOARDs®. The vibration power can be lowered compared to wooden pallets. The ASSYX DuroBOARDs® need to be fixed on the vibration table with a maximum gap of 3 to 5 mm on all 4 sides. In the case of extreme strain and high vibration power we recommend to mount enlarging bars at the stone moulds. For that, you can use steel slats of 40 to 60 mm width and weld them cross to the conveyor direction and even to the vibration table. This improves vibration transmission and positioning of the mould.

Pallet Pushers: Badly adjusted pushers and fixed stops may cause damage to your production pallet. Make sure they are mounted straight and parallel to the face edge of the pallet. The use of rubber buffers is highly recommended at fixed stop positions.

Other Transport Equipment: Any protruding bolts or sharp edges in any part of the pallet handling system and curing chambers can cause damage to the production pallet. To detect pallets in the system, we recommend capacity indicators and for the first cycles, sliding your ASSYX DuroBOARD® into the finger car, you should tape the tops of the fingers.

Pallet Clamps: These should be designed to coincide with the geometry of the ASSYX DuroBOARD®.

Brushes: The use of any cleaning brushes is a huge wear factor for all types of production pallets. We recommend using a plastic bristle type PA6 with a diameter of 1.5 mm. The brush should be adjusted according to the debris left on the pallet. We do not recommend the use of steel brushes.

Release Agents: According to our experiences, if you manufacture very wet concrete products you will have adhesion to the pallet. This can be resolved using one of the following: ”tectol Trennemulsion GF“ (mineral based) or “tectol Bio-Emulsion“ (lab-tested) or similar alternatives. Under normal circumstances however, it is not necessary to use a release agent.

Storage: Please note that extreme weather and temperature fluctuations can cause temporary material deformation. ASSYX therefore recommends storing the product - with or without the product Inside - on dry shelf under consistent environmental conditions.

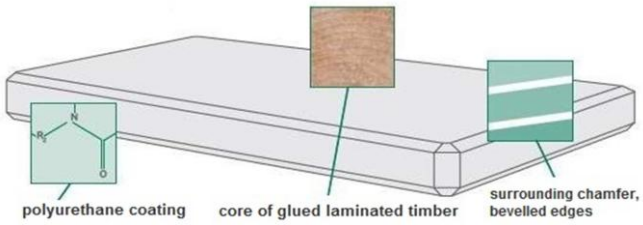
In conclusion, we recommend a trial run with sample pallets before the implementation of the ASSYX DuroBOARDs®.

The ASSYX DuroBOARD® has been developed in conjunction with Bayer MaterialScience AG (known today as Covestro Deutschland AG) in Leverkusen, Germany. During the development, numerous extensive tests were carried out including immersion in both water and release agent for 240 days and also 2000 impact pulses on both sides of the pallet and long acclimatization in steam curing chambers. The ASSYX DuroBOARD® passed all these tests and consequently is ready for the harsh environment in a concrete plant.

We hope that you are successful in manufacturing and selling your finished products and hope that your ASSYX DuroBOARD® helped you in this respect.

If you have any questions, please do not hesitate
to contact the ASSYX team in Andernach, Germany

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[1] BAYDUR® is a registered trademark of Covestro Group