

Wasa AG, 64293 Darmstadt, Germany

Successful conversion to coated production boards with solid wooden core in the Lithonplus plant in Hohen Wangelin

Lithonplus produces very high quality concrete products at its Hohen Wangelin plant in the west of the district of Mecklenburgische Seenplatte. With a total of 16 locations and around 600 employees, the Lithonplus Group is one of the most significant manufacturers of concrete products in Germany. As a subsidiary of HeidelbergCementAG and Schwenk KG, Lithonplus has been bundling their activities in the concrete products sector since 2004. The Hohen Wangelin plant was founded in the early 1990s and ran until the beginning of 2017 with softwood boards. In late 2016 the management of Lithonplus decided to use high-quality coated wooden boards at the Mecklenburg plant. The Wasa Woodplast® was chosen. 4,200 of these polyurethane coated production boards have now been in use very successfully since April 2017.

Production takes place on a Hess plant, which went into production in 2016. The Hohen Wangelin plant offers a very wide range of products, which places particularly high demands on the production board. The production boards measuring 1,400 x 1,150 x 50 mm must therefore also carry very high loads without bending noticeably.

This is ensured by the Wasa Woodplast's solid wooden core of certified renewable pine wood, plus a very high e-modulus of 11,000 to 12,000 N/mm². Lithonplus now regards this solid wooden core as an elementary advantage of the Wasa Woodplast, like the C-profile fitted by Wasa that protects the short sides of the board against damage during circulation and above all in the board magazine.

"A coated wooden board - regardless of its manufacturer - is always susceptible to damage caused by pawls or the circulation. You can't avoid that with this type of board. However, protecting the sensitive parts of the board against damage with steel profiles is the best protection one can give a composite board", says Dr. Arno Schimpf, who as managing director is jointly responsible at Wasa for development and production. If the polyurethane coating should be damaged on



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Competence Leadership.

WASA[®]

Peak performance and flexibility

Our success is based on the interaction between willpower, endurance and passion. Products of outstanding quality and the daily pursuit of innovations are a matter of course for us. Not surprising that concrete factories around the world have relied on our products and expertise – for more than 50 years.

Whether production boards made of wood, wood-plastic composite or solid plastic as well as high-precision cast-resin moulds: we always provide you with the ideal tools to master your individual requirements. We support you all the way: from advising you on the suitable products to the introduction in your production all the way to ongoing operations.

Together, we achieve your goals.
Challenge us.





In addition to the production boards, Wasa also supplies feeding pawls made of polyurethane with an interior steel core for the circulation.



C-profiles made of steel protect the PU coating during transport in the circulation.

the upper or lower side of the board, for example due to stones or loose screws from the vibrating table being pressed in or due to jamming in the circulation, this damage can easily be repaired with a special repair kit from Wasa AG. The customer can carry out this repair himself - quickly, simply and inexpensively.

In addition to the production boards, Wasa also supplies feeding pawls made of polyurethane with an interior steel core for the circulation. These enable a much gentler handling of the boards than conventional steel pawls during transport on the accumulation pawl conveyor. The pushers have a long lifetime due to the highly wear-resistant polyurethane that coats the steel pawl. If they are worn they can easily be encapsulated in PU again. Wasa added this service and other polyurethane wearing parts to its range in 2017.

"More and more customers all over the world are valuing the advantages of the Wasa Woodplast. Numerous plants in Germany, the USA, England, Indonesia, Russia, Australia, Poland and Spain, to name just a few countries, have been equipped with these production boards since their market introduction at the bauma 2010. The customers are convinced by the jointless flat surfaces and the C-profile, the low weight of the boards and the very good vibration transmission, which has a decisive influence on the quality of the concrete products", says Matthias Bechthold, chairman of the executive board of the Darmstadt-based Wasa AG, describing the very successful market introduction of the polyurethane-coated production boards.

Lithonplus is well aware of how important the right choice of production board is in achieving high quality standards. The coated board from Wasa used at Lithonplus was so convinc-

ing that 8,000 Wasa Woodplast boards were also purchased for the plant in Eggenstein, Baden Württemberg in addition to Hohen Wangelin. The trend towards coated production boards thus continues consistently for Lithonplus. ■

FURTHER INFORMATION



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