

Kronospan Sandebeck

ReceivingOPT BA - TÜV certification



The Kronospan Group is the global leading manufacturer in the wood-based panel industry, producing wood-based materials at more than 40 sites. In the German city of Sandebeck (East-Westphalia), Kronospan operates a plant for production of particle boards. Recycled wood, supplied and fed to production via two pits is used for the production of the boards.

In the middle of 2014, Kronospan asked APOS GmbH to install a system for analyzing recycled material during the unloading process. The target was to first assess the material and then be able to analyze water and ash content online, in order to reach a fair and objective calculation base with suppliers. APOS installed a ReceivingOPT BA system for both pits. The system automatically generates readings per truck load without sampling, enters the data in the material purchase book and then transfers it into the Kronospan ERP system for invoicing and further evaluation. After successful approval, the system went into general operation in September 2014.

In order to increase supplier's acceptance of the still new APOS technology, Kronospan decided in 2015 to let TÜV Nord assess the measurement accuracy of the installed system (APOS measuring system versus gravimetric laboratory analysis). In June 2015, TÜV carried out the measurements and tests. Dozens of samples were taken from a random material stream, first fed to the APOS system and then to two neutral, accredited laboratories. The parameters were determined in the laboratories in accordance with DIN EN 14774 for water content and DIN EN 14775 for ash content. A few weeks later, the results by TÜV confirmed the experience with the system: On 14 July 2015, TÜV issued the certificate of measurement accuracy. Details on the procedure are available by TÜV Nord Systems GmbH in Hamburg.



Bunker Kronospan Sandebeck with APOS terminal



Dr.-Ing. Anh-Tai Nguyen (TÜV Nord) in Sandebeck



Dominik Willaczek, Kronospan: „With the APOS system, transparency for material evaluation and calculation was established. The TÜV test confirms the accuracy of the system and leads to acceptance by suppliers. This creates commitment to the system and helps to ensure maximum transparency in material acceptance“.

Dr. Peter Nilges, APOS: „The APOS installation at Kronospan Sandebeck proves the capabilities of our solutions even under difficult ambient conditions and using heterogeneous recycling materials“.