

Core Competence is a Newsletter for Coreenso's customers providing news and information on numerous customer related projects and processes.

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Coreenso offers savings through standardisation

– ECO 12 super core now with 13 mm wall thickness



As a result of excellent communication and an extensive trial programme with our paper mill customers, their printing customers and the jumbo press manufacturer, we have been able to develop our unique ECO 12 core to a new level of user friendliness by reducing the wall thickness from 15 mm to 13 mm. Despite this change we are still able to fully guarantee the performance level required by the paper mill and converting industry as well as fully meeting the very strict safety criteria demanded by the manufacturer of the machine under all conditions.

After the successful development of our ECO 12 core with 15 mm wall thickness to meet all the requirements of the sector our customers still wished for a core with the same superior properties but a wall thickness of 13 mm which, of course, is the industry standard.

This gives obvious benefits through the whole process: the paper maker achieves cost savings in cores as well as in the logistics of the rewinding / slitting process while the printer benefits because the need to change the splice diameter is eliminated.

In the paper manufacturing process it means all cores used on the same bar for the whole production can have the same 13 mm wall thickness. This eliminates the need for stocking both 13 and 15 mm wall cores in the rewinder area thus improving efficiency when loading cores onto the bar and also eliminating any human error should cores get mixed during storage.

This solution allows the paper maker to plan fully the trim on the rewind unit using the same 13 mm core dimension for both jumbo reels and less demanding reels on the same trim. It also saves the substantial cost difference between 15 mm to 13 mm wall standard grade cores. The printer benefits due to the common core wall thickness, so no adjustment of splice diameter is needed during the printing process which also means less waste and rest paper left on the core.

The greatest challenge during this whole development process was to make a 13 mm wall core which exactly meets all the specified parameters of the successful 15 mm core already in production. After the theoretical calculations were completed it was time for action. Once more,

our unique Long Core Tester was invaluable to the project, ensuring perfect and precise test conditions which enabled us to maximise the full potential of our new core. Already in 2004/2005 this method was chosen by KBA and Prinovis to evaluate the full potential of our 15 mm wall core, so it was logical to use the same proven equipment when evaluating our new product.

The excellent cooperation between our paper making customers and their customers, the printing houses, allowed us to test several hundred cores of our new product in actual production conditions. Test runs were conducted covering the full range of conditions faced by the printer. All test runs were monitored by laser measuring equipment, which consistently measured each metre of the print run for vibration of the rest reels in the splice area. This confirmed that our 13 mm wall product was ideally suited for the intended use.

By cooperation and clear focus by the paper makers, printing houses and Coreenso, significant advantages and benefits have been delivered to all parties when compared with the current 15 mm wall product. The ECO 12 core with 13 mm wall is

APPOINTMENTS



Marc Poulenard has been appointed Vice President, Coreenso Europe. He is responsible for managing and developing Coreenso's core and coreboard operations in Europe. Marc Poulenard is based in Krefeld. The appointment became effective on 1 April, 2009.



Andreas Schwab has been appointed R&D Director of the Coreenso Group. He is based in Krefeld. The appointments became effective on 1 January, 2009.

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a unique and unrivalled product. Coreenso is the only supplier providing a full risk management system for this dynamic range of futuristic cores and we can produce them in three separate independent production units guaranteeing our customers continuity of supply no matter what circumstances might arise. We welcome the opportunity of answering any questions you may have. Please contact us by phone or via our website [coreenso.com](http://www.coreenso.com)

Andreas Schwab

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A member of the  **STORAENSO** Group

Stora Enso's Sustainability Performance 2008 report, including information on Stora Enso's environmental and social performance in 2008, is now available and can be downloaded at <http://www.storaenso.com/sustainabilityreport>

More than the core

INTRODUCING

Corenso in Poland



Piotr Wala, Plant Manager



Blazej Kusiak, Sales Manager



FOCUS ON CORENSO POLAND



Inauguration of Corenso Poland

The world's most modern core production plant

On 24 March, Corenso Poland celebrated its official inauguration together with customers, suppliers and colleagues. Besides the Mayor of Tychy, it was a great pleasure to welcome the Board of Stora Enso Poland, as well as **Veli-Jussi Potka** (Executive Vice President, Stora Enso Industrial Packaging) and **Pekka Suursalmi** (Senior Vice President, Cores and Coreboard) along with 40 other guests.

The opening ceremony started with a warm welcome to everybody from Corenso Poland's plant manager **Piotr Wala**, followed by speeches and

wishes for success from **Jerzy Janowicz** (Managing Director, Stora Enso Poland), the Mayor of Tychy and **Pekka Suursalmi**. A review of the project showed that there was only six months from laying the foundations to the production of the first core. A look into the future shows that additional equipment for winding and drying promises excellent prospects for the coming years.

After the ribbon had been cut by our special guests, all the visitors had an opportunity to convince themselves of the high standard of automation on the world's most modern core production line. The line can

produce cores in an extremely wide range of dimensions and qualities; for example, the length can vary from 80 mm up to 11.5 m. This flexibility along with the other advanced features of the line will guarantee the best possible service for all our customers – in both paper making and the film and flexible packaging industries.

We thank all our guests, whose presence at the inauguration ceremony was highly valued, and we look forward to fruitful and productive cooperation in the future.

Andreas Schwab

ECO CORE INDICATOR

A tool to help you choose the right core

Choosing the right core for every application is not easy. To simplify the task, last autumn Corenso introduced a free tool called **Eco Core Indicator**. The limits of core quality in respect of certain parameters should not be kept secret since they are closely related to the safety of workers, machines and processes. Following the first stage of development, the tool is

now available for the paper and printing industry at the Corenso web site.

The **Eco Core Indicator** is no magic bullet but it can give a first idea of how close a chosen core is to its limits, or which core should be recommended to a paper mill or a printing house for a particular application. Corenso attaches great importance to the fact that the result of the tool has

to be validated by a counselling interview in which all other relevant parameters are specified.

When the user has submitted data on the most relevant parameters, the system displays a list of suitable cores matching the input. Besides the chuck, the reel width and weight are also required as well as the maximum speed of the printing press. If information is not available for all

the variations of dimensions and presses, the **Eco Core Indicator** performs a "worst-case" calculation to evaluate and identify potential risks.

Remember, Corenso's employees are always ready to assist you. **Corenso – more than the core.**

Andreas Schwab