



Borregaard

CUSTOMER STORIES

BORRESPERSE[®] PAPER FOR INCREASED USE OF LOWER QUALITY FIBRES

INCREASED USE OF LOWER QUALITY FIBRES

BACKGROUND & OBJECTIVE

A paper mill producing recycled-based corrugate medium and testliner grades on film-press, aimed to optimise the quality of its production with Borresperse Paper, focusing primarily on strength increase. Borresperse Paper was tested on several paper grades under multiple conditions to find and fine-tune the operational optimum. The mill and Borregaard had two main objectives: deliver enhanced technical properties and improved economics, using a higher proportion of lower quality fibres.

TRIAL CONDITIONS

The mill ran long campaigns of CM115 grade with starch. The strength properties met the minimum specifications but not the target values, despite an increased ratio of “good quality” furnish (= higher costs) and increased starch consumption.

Many factors were re-set and evaluated during short- and long-term field trials involving technical, commercial and logistical teams from the mill and Borregaard’s team.

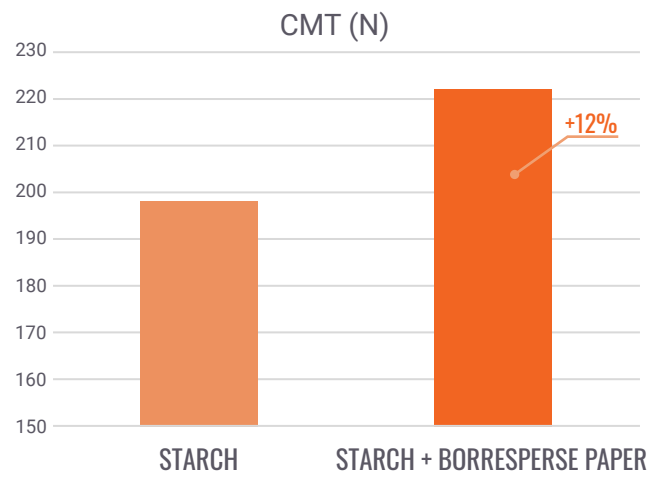
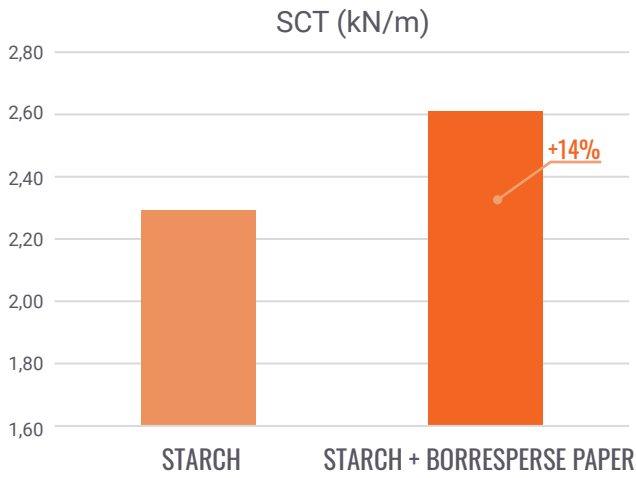


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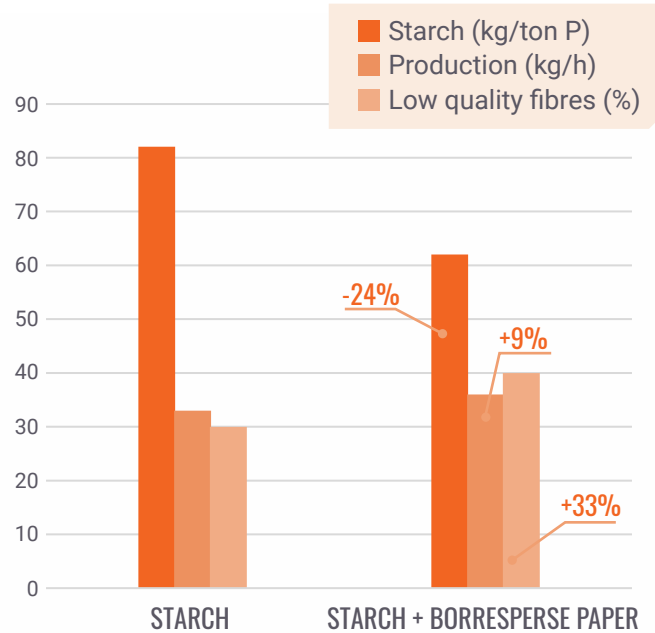


RESULTS AND CONCLUSIONS

Borresperse Paper was applied with starch on film-press and delivered the following main benefits:



With addition of Borresperse Paper, the strength properties met the target values for CM115 grade. The starch consumption decreased by 24%, and production increased by 9%. The waste mix ratio (lower quality paper/cheaper) increased from 30 to 40% in the furnish providing further economic gains for the mill. The effort paid off and Borresperse Paper enabled the mill to meet the objectives.



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BORRESPERSE PAPER

NATURALLY STRONG

TECHNICAL SUPPORT

Our competent technical and commercial team is available to evaluate your process, and help you optimise the application of Borresperse Paper products from installation to production.

Please [contact us](#) for further information.

ABOUT US

Borregaard operates the world's most advanced and sustainable biorefinery. Utilizing natural and sustainable raw materials, we produce advanced and environmentally friendly bio-based products that replace oil-based products. Our world-wide network of production facilities, technical centres and sales offices assures the very best local service and competence where you need it. Providing our customers with the most dedicated technical assistance is essential to success. Therefore, we invest considerable resources for research and development. We continuously strive to develop wood based renewable products for existing and new applications and through this effort we can offer sustainable products that contribute to sustainable development in a wide variety of industries.

