

RECORDED BENEFITS

- Increased Scott Bond
- Minimized print delamination

New Dry Strength Program Solves Print Delamination for Folding Box Board Producer

Hercobond™ 7700-EU Dry Strength

Customer Challenge

A coated folding box board producer producing three plies (Bleached Chemi-Thermo Mechanical Pulp in the mid-ply) was experiencing issues with print delamination at the print-house. Delamination was occurring between the top and middle plies. Test indicated that the correlation to internal picking IGT test, which was between 4 and 5, should have been between 2 and 2.5 to avoid any printability problems.

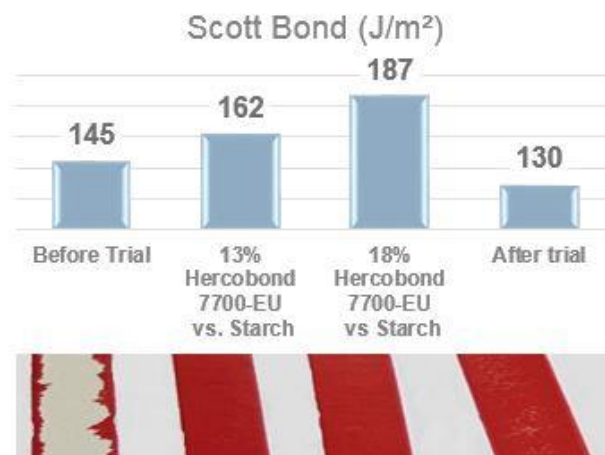
Recommended Solution

Applying 2 g/m² of sprayed starch between the top and middle plies did not solve the issue. Solenis experts commenced a program of Hercobond 7700-EU dry strength sprayed onto the top surface of the middle ply.

Results Achieved

On 300 g/m² board, the Hercobond 7700-EU sprayed together with starch reduced the internal picking test result from 5 to between 2.0 and 2.5.

The Scott Bond result improved by 25% compared to starch alone.



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