

## CASE STUDY



### How Rakoll® 5437 Plus helped a major furniture manufacturer do more with less

The absence of thermal stability in the production process can lead to low productivity, poor quality and higher manufacturing costs. With Rakoll® 5437 Plus we offer a smart and efficient solution to our customers.

At H.B. Fuller, we are constantly seeking new ways to meet our customer's needs and expectations. Efficiency, energy consumption and process costs are subjects that are getting more attention and require new approaches to adhesive formulation and manufacturing.

A large furniture manufacturer was having difficulties caused by the lack of thermal stability while using an adhesive solution available on the market. During the production process this was leading to issues in the heating system, causing cracks in the material and poor surface quality. Consequently, output levels were decreasing as costs were raising.

Therefore, the customer was looking for a solution to increase productivity and quality levels with less downtime. To help the manufacturer overcome this challenge our team suggested Rakoll® 5437 Plus, a polyolefin hot melt adhesive, as an alternative for the complete line.

Developed specifically for profile wrapping and flat lamination, this adhesive relies on many properties that make it the ideal solution to the presented challenge. Rakoll® 5437 Plus combines very short setting time with very long open time, enabling a wide application window while keeping the bonding quality.

When compared to standard adhesives it also has a lower density which has a direct impact on the coating weight. It offers the same performance with up to 15% less consumption, improving the efficiency and reducing the material expense.

In addition, this product reveals excellent thermal stability by maintaining its properties and color for over 24 hours, with no skin formation. This allows longer cleaning intervals and increased line availability.

Thermal Stability and Cleaning

Thermal stability at 175°c after:	Standard APAO	Rakoll® 5437 Plus
2 hours		
8 hours		
24 hours		
48 hours		

CUSTOMER QUOTE

"With Rakoll® 5437 Plus, our production process improved as well as the quality of our products and we were able to achieve substantial cost savings overall." - Plant Manager

Summary of Customer's Results

- Better surface quality
- Increased productivity and safer processes
- Higher mileage
- Lower energy consumption
- Less downtime and lower maintenance costs

Ask H.B. Fuller today about how we can help you improve your production process with our innovative bonding solutions.

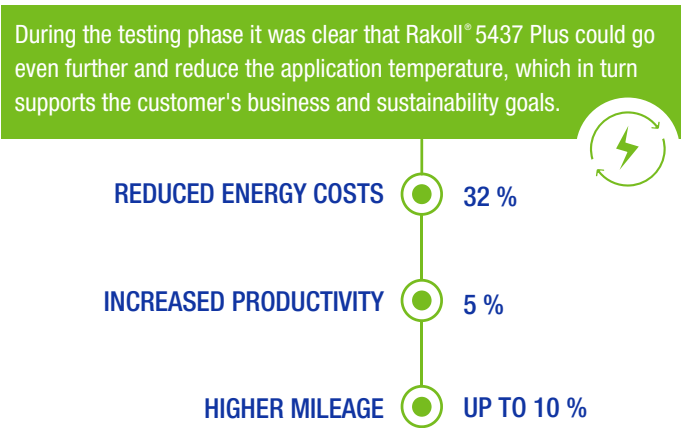
About H.B. Fuller

Since 1887, H.B. Fuller has been a leading global adhesives provider focusing on perfecting adhesives, sealants and other specialty chemical products to improve products and lives. H.B. Fuller's commitment to innovation brings together people, products and processes that answer and solve some of the world's biggest challenges. Our reliable, responsive service creates lasting, rewarding connections with customers in electronics, disposable hygiene, medical, transportation, aerospace, clean energy, packaging, construction, woodworking, general industries and other consumer businesses. And, our promise to our people connects them with opportunities to innovate and thrive. For more information, visit us at [hbfuller.com](http://hbfuller.com).



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