

PAPER COATING GUIDE

Barrier Coatings – RethINK SOLUTIONS for Paper & Board Applications







Considerations for achieving good converting performance

2000

Important Topics

Base paper / board

Barrier requirements

Sealing

Further converting

Applying the coating

Considerations for converting performance

Packaging papers and boards are often specialised and there can be significant differences between different grades, even from the same supplier. It's important we conduct any testing on the same grade as our customer

Try to find out all the **actual** requirements, as well as what is currently being used. Is a combination of different barriers required?

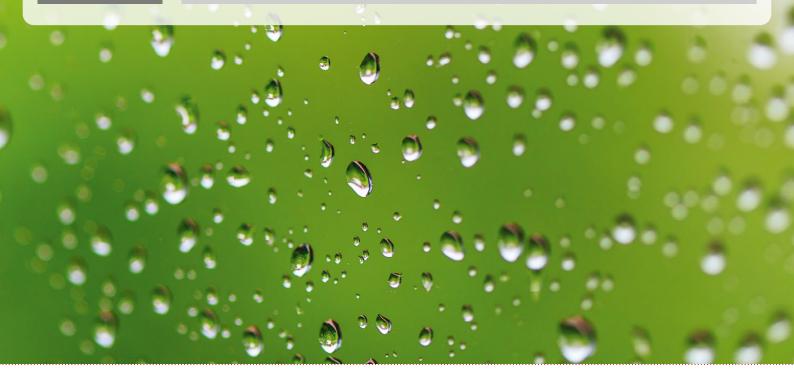
This is often not easy. e.g., LDPE is used for commercial reasons but is actually 'over specified' for many applications. Consider some, moderate, good, excellent if specific values are not available

Find out as much as possible about the process. e.g., temperature range, dwell time, hot tack, pressure, heat type, coating-to-coating or coating-to-fibre, "lap" or "fin" seal Photos/videos and access to the actual process are always helpful

It's important to consider what other functionality might be needed for the coating in the supply chain. e.g., flexibility for folding/bending, stability at high/low temperatures, anti-static, blocking/release, CoF

Also, is there a need for printing/gluing on the barrier coating

Different coating methods have pros and cons. It's important to understand what method is being used and what requirements/limitations that brings. e.g., min/max coatweight, single/multiple layers, drying conditions





INK, HEART & SOUL



High performance print inks for Paper & Board

Siegwerk is an international, market-leading manufacturer of print inks for all kinds of packaging. For Paper & Board applications, Siegwerk offers flexographic inks for all standard forms of packaging – from corrugated cardboard to carrier bags and bags, tissues and serviettes to beakers and displays. Wrapping paper and shopping bags can also be printed excellently with the print inks from Siegwerk.

The user-friendly ink series reduces wash intervals, creates brilliant print results even at high speeds, and allows for easy print ink management. Alongside the very broad spectrum of varnishes and high-concentrate print inks, the additional positive features include high productivity.

