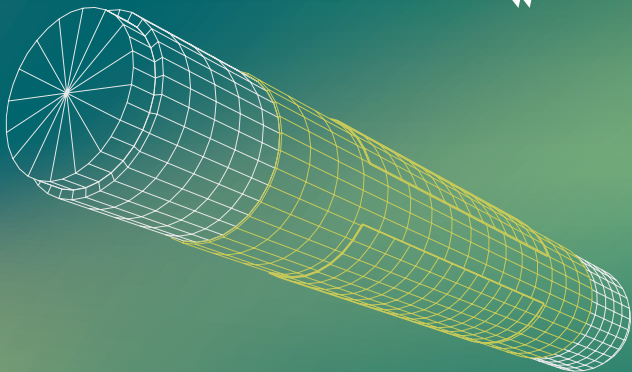




DuploFLEX® Guide

Smart Bonding Solutions for Flexo Printing Industries

- Flexible Packaging Printing
- Label Printing
- Corrugated Board Printing





Meeting the Evolving Demands of Flexo Printing

At Lohmann, we understand the unique challenges you face. With **decades of expertise in plate mounting tapes**, we have always been at the forefront of providing solutions that address the evergrowing demands of the flexoprinting market. Our premium plate mounting tape portfolio, known for its exceptional quality and reliability, has earned the trust of 1,000 printers and set the benchmark in the industry.

But as you deserve more than just high-quality products, our comprehensive approach goes beyond plate mounting tapes, offering holistic solutions that address every part of your process. In addition to a DuploFLEX portfolio tailored to your requirements, we also provide you with our sustainable product development, a reliable partnership, customer proximity and, of course, support for integrating our products into your process.

DuploFLEX® 3 and 4 EB

Suitable for flexible packaging and label printing applications in the **0.38 mm thickness category** – and available in two different tape thicknesses for individual preferences. Delivers a perfect print image through a unique viscoelastic composite structure with double-sided flexible PE reinforcement.

DuploFLEX 3 EB: 0.40 mm tape thickness

Product color	Desired print image		Foam	Product
		Process work, fine, lines, halftones (minimized dot gain)	Soft	DuploFLEX 3.2 EB
		Solids, lines and large fonts (dense ink coverage)	Firm	DuploFLEX 3.4 EB

DuploFLEX 4 EB: 0.44 mm tape thickness

Product color	Desired print image		Foam	Product
		Highlights, delicate process printing and very fine lines (minimized dot gain)	Soft	DuploFLEX 4.1 EB
		Combination of solids, line work and screens	Medium	DuploFLEX 4.2 EB
		Solids, lines and large fonts (dense ink coverage)	Firm	DuploFLEX 4.4 EB

DuploFLEX® 5

Suitable for flexible packaging, label printing and corrugated board pre-print applications in the **0.50 mm thickness category** – whether the Classic or the GRIP range. Delivers a perfect print image through a unique viscoelastic composite structure with double-sided flexible PE reinforcement.

For the 0.50 mm thickness category in just four different degrees of foam hardnesses:

Product color	Desired print image	Foam	Product
	 Fine process work, highlights and very fine lines (minimized dot gain)	Soft	DuploFLEX 5.1
	 Process work, brilliant halftones and fine lines	Medium soft	DuploFLEX 5.2
	 Halftones and lines, a combination of solids, line work and screen	Medium firm	DuploFLEX 5.3
	 Solids, lines, large fonts (dense ink coverage)	Firm	DuploFLEX 5.4



Choosing the right plate mounting tape and using effective tools is often the key to better process efficiency and safety.

Solutions warranting superior handling during mounting and demounting as well as perfect print images, even at a low impression setting, are in high demand.

Lohmann has the answer with the fully comprehensive DuploFLEX portfolio and the competent support of our FLEXperts to ensure perfect integration into the printing process.

DuploFLEX® CB

Suitable for corrugated board post-print applications offering an excellent performance through high-quality closed-cell polymer foam for brilliant print image.

DuploFLEX CB

Product range	Foam thickness (mm)	Product name	Liner	Width foam (mm)
DuploFLEX CB	1.10	DuploFLEX CB 1.10	Paper	1100 / 1350
	1.40	DuploFLEX CB 1.40		1350 / 1400
	1.70	DuploFLEX CB 1.70		1100 / 1350 / 1400
	2.10	DuploFLEX CB 2.10		1100 / 1350 / 1400
	2.60	DuploFLEX CB 2.60		1350

DuploFLEX CB GRIP – Solvent-free

Product range	Foam thickness (mm)	Product name	Liner	Width foam (mm)	Width PET (mm)
DuploFLEX CB GRIP / PET	1.10	DuploFLEX CB 1.1 GRIP / PET	250 µm PET	1100 / 1350	1400 / 1650
	1.40	DuploFLEX CB 1.4 GRIP / PET		1350 / 1400	1400 / 1650
	1.70	DuploFLEX CB 1.7 GRIP / PET		1100 / 1350 / 1400	1400 / 1650
	2.10	DuploFLEX CB 2.1 GRIP / PET		1100 / 1350 / 1400	1400 / 1650

Foam can be easily removed from the PET layer to allow for custom width specification if required.

Further Materials for Flexo Printing Applications

DuploFLEX FS Flying Splice

Double-sided splicing tape with self-splittable carrier for flying splices of flexible material in printing and laminating processes.

DuploFLEX 311x

Single-sided green filmic tape with excellent strength of the synthetic rubber adhesive for sealing the edges of the plate, if required.

DuploFLEX Corona Pen

Our handheld device for the quick pretreatment of plates to increase the surface energy and effectively prevent plate lifting.

DuploFLEX Toolbox

Useful tools for best plate mounting processes: cleaner, squeegee, primer, roller and DuploFLEX Edge Sealing Tape.



DuploFLEX® Solutions for Flexo Printing Applications

Flexo printing application	DuploFLEX solutions
Corrugated Board – pre-print	DuploFLEX 5 range
Corrugated Board – post-print	DuploFLEX CB range
Flexible Packaging	DuploFLEX 3 EB range DuploFLEX 4 EB range DuploFLEX 5 range DuploFLEX FS Flying Splice DuploFLEX 311x Edge Sealing Tape
Label	DuploFLEX 3 EB range DuploFLEX 4 EB range DuploFLEX 5 range DuploFLEX 311x Edge Sealing Tape

Further tools

DuploFLEX Tool Box
DuploFLEX Corona Pen

More services

FlexoLAB
Printing process simulation

FLEXperts
Local advice and consulting



Our Smart Bonding Solutions

Find out more about our Flexo Printing applications at lohmman-tapes.com/flexo



The perfect bonding solution?
The one tailored to your application.
We support you **from the idea** to
its integration **into your process**.

Lohmann GmbH & Co. KG
Irlicher Straße 55
56567 Neuwied/Germany
Phone: +49 2631 34-0
graphics@lohmann-tapes.com
www.lohmann-tapes.com