



DuploFLEX® Plate mounting tapes

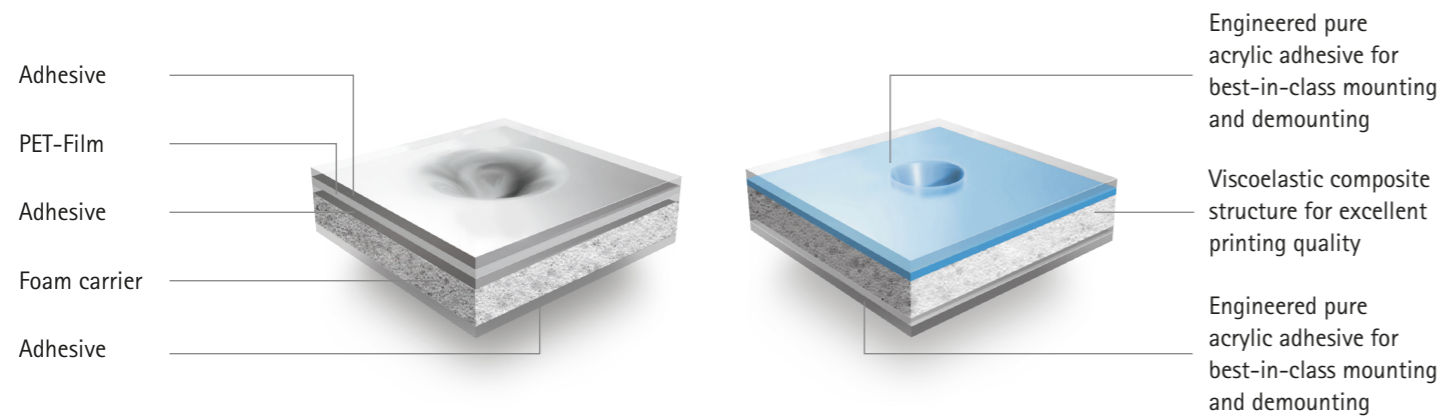
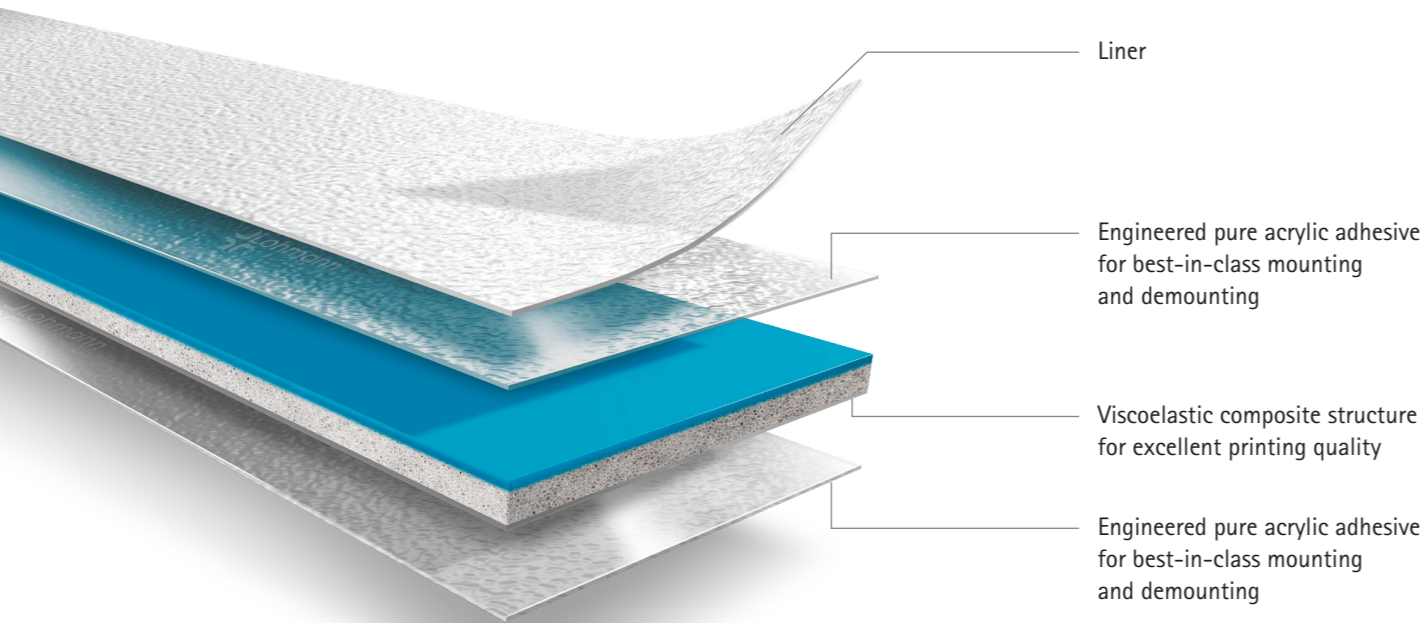
The answer to demanding flexo printing needs –
whatever the application

DuploFLEX® – perfect print

The answer to continuously demanding flexographic printing requirements.

Ever-increasing customer demands and complex print jobs place the highest demands on flexographic printing. Therefore, professionals like you are forced to increasingly optimize their processes, in order to be competitive. The choice of the correct plate mounting tape very often becomes the pivotal point for greater efficiency and process 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.

DuploFLEX® can be used for every kind of ink (UV-, solvent- and water based ink).



Conventional foam tape with laminated PET film

DuploFLEX® perfectly cushions the acting forces and prevents dot gain.

Benefits:

- Tighter thickness tolerance for improved registration
- More flexible surface for improved cushioning and support
- Faster compression and recovery

Results:

- Faster press speeds, improved print results, More consistency job to job

DuploFLEX® adhesive assortment

	Adhesion	Suggested plate thickness	Suggested repeat length
OV	Low adhesion	.045" – .067"	All with .045" plates Large with .067" plates
EB	Light adhesion	.045" – .067"	Small with .045" plates Medium with .067" plates
EBX	Medium adhesion	.067" – .107"	Medium with .067" plates
EBT	Medium high	.067" – .107"	Medium to small with .067" plates Large with .107" plates
EBXT	Highest adhesion	.067" – .107"	Small with .067" plates All with .107" plates

Your results may vary. Please contact your Lohmann FLEXpert for assistance.

● Unique Acrylic Systems

- Low initial tack, higher final tack. After pressure is applied in mounting, adhesion levels increase to final tack

● "Differential Systems" to match the surface

- Plate side is compatible with the PET on the back of the plate
- Cylinder / Sleeve side is compatible with steel, PUR, PET, Fiberglass sleeve surfaces

● Five adhesion levels

- Five adhesion levels with balanced properties for optimal mounting and improved process efficiency

● Extended solvent resistance. Maintains cohesive and adhesive stability

● Consistent adhesive properties over a wider range of temperature and humidity conditions

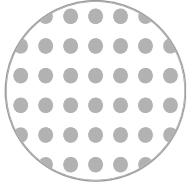
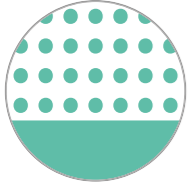
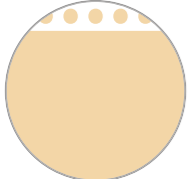
DuploFLEX® 4

15 mil / 0.38 mm solutions

Our premium brand offers plate mounting tape solutions for the 15 mil category in different foam hardnesses.



Certified since 2011

Desired print image	Foam	Product
 Highlights, delicate process printing and very fine lines (minimized dot gain)	soft	DuploFLEX® 4.1
 Combination of solids, line work and screens	medium	DuploFLEX® 4.2
 Solids, lines and large fonts (dense ink coverage)	firm	DuploFLEX® 4.4



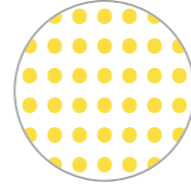

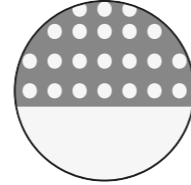
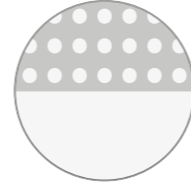

DuploFLEX® 5

20 mil / 0.50 mm solutions

Fine process work, brilliant halftones, clean positive and reverse text, and dense solids. Whatever print image you set out to achieve – the DuploFLEX® range ensures excellent results because it's established and proven, using state-of-the-art technology.



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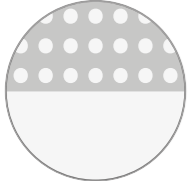
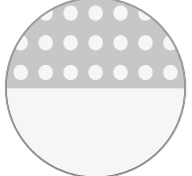
Desired print image	Foam	Product
 Fine process work, highlights and very fine lines (minimized dot gain)	soft	DuploFLEX® 5.1
 Process work, brilliant halftones and fine lines	medium soft	DuploFLEX® 5.2
 Halftones and lines, a combination of solids, line work and screen	medium	DuploFLEX® 5.25
 Halftones 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



DuploFLEX® 10

40 mil / 1.0 mm solutions and 60 mil / 1.5 mm solutions

Our unique 40 mil / 1.0 mm medium firm viscoelastic composite foam is available as a double-sided plate mounting tape. Also available is a single-sided build-up tape: to enable more flexibility for your print job, you can combine this build-up tape with our DuploFLEX® 5 range to create a 60 mil / 1.5 mm set up.

	Desired print image	Foam	Product
	Halftones and lines, a combination of solids, line work and screen	medium firm	DuploFLEX® 10.3
	Single-sided viscoelastic composite foam build-up tape. For use with DuploFLEX® 5 range as an improvement over standard 60 mil / 1.5 mm plate mounting tapes	medium firm	DuploFLEX® 10.3 S

DuploFLEX® Corona Pen

The future of plate pretreatment

In order to increase the surface energy to prevent edge lifting, the DuploFLEX® Corona Pen can be used as a quick and reliable pretreatment method. It emits cold plasma (corona treatment) that enables the substrate surface to allow better adhesion between plate and adhesive.

Customer benefits:

- High performance surface pretreatment without heating of substrates
- Improved process efficiency during flexoprinting job by minimized edge lifting
- Easy repositioning of flexoprinting plates even with improved bonding forces (due to localized pretreatment)
- No chemical residues after plate demounting (e.g. primer, adhesives)
- Fast plate pretreatment due to no drying time (e.g. primer, chemical plate sealers)



FlexoLAB

Our facility for testing, analyzing and optimizing research and development

- Print simulator in a climate chamber
- Plate mounting machines
- Laboratory print unit
- DuploFLEX® CoronaPen
- Densitometer
- Flexo tape cylinder peel tester
- Printing plate washing unit
- Adaption and analysis of customer processes to create customized best practice solutions
- R&D for flexoprinting applications and technologies
- Trainings, seminars, conventions and workshops for customers, partners and suppliers



The best bonding solution is the one that meets the precise needs of your application. And how do we find it? By advising and supporting you from the initial idea right through to its intergration in your process. Our philosophy in three words: **smart bonding approach.**

Get in touch

With decades of know-how in flexo-industry, our Lohmann FLEXperts will happily accompany you throughout the flexo process and answer all your questions.

Get in touch with us for example by visiting the FlexoLAB, take advantage of personal consultations, a free FlexoLAB analysis or to learn more about our unique DuploFLEX® portfolio. Another way to learn more about our FLEXperts is to just scan the QR-Code.

www.lohmann-tapes.com/flexoprinting

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Lohmann Corporation & Subsidiaries
3000 Earhart Court, Suite 155
Hebron, KY 41048
USA



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