

UPDATED
VERSION



Because every print
should be a masterpiece.

DuploFLEX® Guide

Plate mounting tape solutions
for your quality print.

Smart Bonding for Flexo

Tools that make every job an efficient one.

A crucial part of Smart Bonding for Flexo is the DuploFLEX® Toolbox. Each of its individual tools helps to make sure you always end up with the perfect mounting process. Since the primer and the cleaner are classified as dangerous goods, they don't come as part of the DuploFLEX® Toolbox, but you can easily order them separately.



Cleaner

Start out neat and tidy.

Superior cleanliness is vital during the mounting process, as it ensures a smooth workflow of the printing operation and optimized print results. In order to safeguard the best possible adhesion of the tape and the plate, any trace of grease, dust or ink must be avoided. Clean both the sleeve and the plate prior to mounting, e.g. with an isopropanol-water mixture.



Squeegee

Precision in every step.

The tape can be mounted bubble-free and secure on the cylinder by using a squeegee. Make sure to apply sufficient pressure to the tape, especially on the edges.



Primer

Optional: for critical jobs.

As an option, the edges of the plate can be treated with a primer so as to increase the tack along the edges and avoid so-called edge lifting. Before mounting the plate should be cleaned of dust, grease, or other contamination using a suitable solvent (preferably an isopropanol-water mixture). In order to ensure superior attachment or adhesive strength, the solvent should be completely dry, if at all possible, before the plate is mounted.



Roller

Keep your plate damage-free.

The plate can be mounted bubble-free on the tape by using a roller. For a secure and bubble-free mounting of plate to tape, please use a roller to prevent damage to the plate. Make sure to apply sufficient pressure to both tape and plate, especially on the edges.



DuploFLEX® 3115

Optional: for the most challenging tasks.

The plate edges are occasionally sealed in order to prevent edge lifting, which may occur during longer print runs or may be caused by washing the plates before or during the press run. The easiest and safest way is to protect the edges with a single-sided adhesive tape DuploFLEX® 3115.



DuploFLEX® 5 families

Classification of the individual adhesive properties.

Common set up:





- PE closed cell foam as carrier, double-sided flexible PE reinforcement
- Perfectly matched adhesive properties
- Embossed liner
- 0.55 mm range



DuploFLEX® 5 CLASSIC family

Perfect for all flexible packaging requirements.

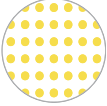



Fine process work, brilliant halftones, a perfect solid and clean fonts. Whatever print image you set out to achieve – the DuploFLEX® 5 CLASSIC family range ensures excellent results, because it's the established & proven allrounder using state-of-the-art-technology.

Desired print image	Foam	Product
	Soft	DuploFLEX® 5.1 DuploFLEX® 5.1 SPL NEW DuploFLEX® 5.1 PLUS DuploFLEX® 5.1 MAXX
	Medium Soft	DuploFLEX® 5.2 DuploFLEX® 5.2 SPL NEW DuploFLEX® 5.2 PLUS DuploFLEX® 5.2 MAXX
	Medium Firm	DuploFLEX® 5.3 DuploFLEX® 5.3 SPL NEW DuploFLEX® 5.3 PLUS DuploFLEX® 5.3 MAXX
	Firm	DuploFLEX® 5.4 DuploFLEX® 5.4 SPL NEW DuploFLEX® 5.4 PLUS DuploFLEX® 5.4 MAXX

DuploFLEX® 5 EB family

The adhesive formulation for demanding print conditions.

Thanks to its "Engineered Bonding" formulation, the DuploFLEX® 5 EB family range combines the advantages of Lohmann's proven DuploFLEX® 5 range with specific benefits. On the one hand, it boasts higher stability as temperature and humidity fluctuates. On the other hand, it has higher solvent resistance for perfect handling under challenging conditions.




Desired print image	Foam	Product
	Soft	DuploFLEX® 5.1 EBS NEW DuploFLEX® 5.1 EB DuploFLEX® 5.1 EBX
	Medium Soft	DuploFLEX® 5.2 EBS NEW DuploFLEX® 5.2 EB DuploFLEX® 5.2 EBX
	Medium Firm	DuploFLEX® 5.3 EBS NEW DuploFLEX® 5.3 EB DuploFLEX® 5.3 EBX
	Firm	DuploFLEX® 5.4 EBS NEW DuploFLEX® 5.4 EB DuploFLEX® 5.4 EBX

NEW:

DuploFLEX® 5 GRIP family

The better solution for plate lifting issues.

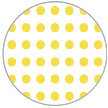



The DuploFLEX® 5 GRIP family offers you exactly that: an optimized grip to plate and sleeve, with the adhesion being balanced by a smooth peel, making edge lifting no longer a problem. Don't worry about temperature or humidity extremes – the more robust adhesives of the DuploFLEX® 5 GRIP family are well equipped to withstand those influences as well as solvent attacks.

Desired print image	Foam	Product	
	Process work, brilliant halftones, fine lines	Medium Soft	DuploFLEX® 5.2 GRIP
	Halftones and lines, a combination of solids, line work and screen	Medium Firm	DuploFLEX® 5.3 GRIP
	Solids, lines, large fonts (dense ink coverage)	Firm	DuploFLEX® 5.4 GRIP

DuploFLEX® HP 5

Perfect for the most sophisticated flexible packaging requirements.

The high performance polymer foam of our 0.55 mm range mounting tapes DuploFLEX® HP 5 is especially suited to long and demanding printing jobs. With its incredibly uniform cell structures and relatively small cell sizes, it has no match when it comes to stability and its ability to regain its original form, while effectively counteracting machine vibrations.



Desired print image	Foam	Product
	Soft	DuploFLEX® HP 5.1 PLUS
	Medium Soft	DuploFLEX® HP 5.2 PLUS
	Medium Firm	DuploFLEX® HP 5.3 PLUS
	Firm	DuploFLEX® HP 5.4 PLUS

DuploFLEX® 3 & 4 range




Perfect for all label printing requirements.

Our premium brand offers plate mounting tape solutions for 0.38 and 0.44 mm printing standard in different foam hardnesses.

DuploFLEX® 3: 0.38 mm range.

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

DuploFLEX® 4: 0.44 mm range.

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

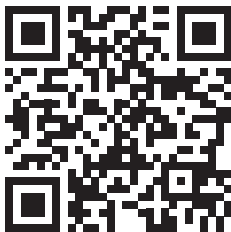
More information

Get in touch.

As your qualified partners, our Lohmann FLEXperts will happily accompany you throughout the flexo process and will be there to answer 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. If you wish to order our Cleaner and Primer for proper mounting, please simply use the contact form.

www.lohmann-flexperts.com



certified since 2011