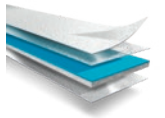
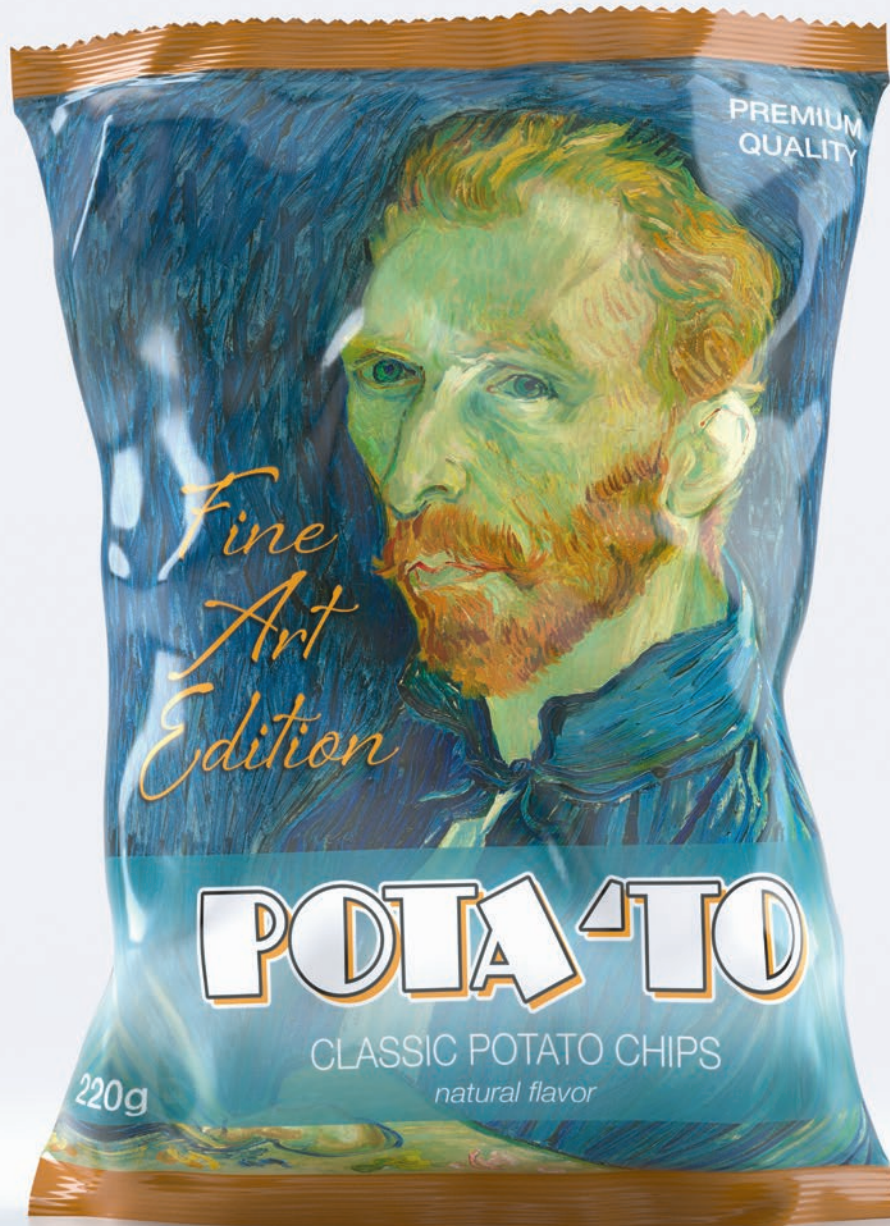


UPDATED  
VERSION



Because every print should be a masterpiece.



DuploFLEX® 5

Plate mounting tape solutions for perfect results  
in 0.55 mm flexo printing.

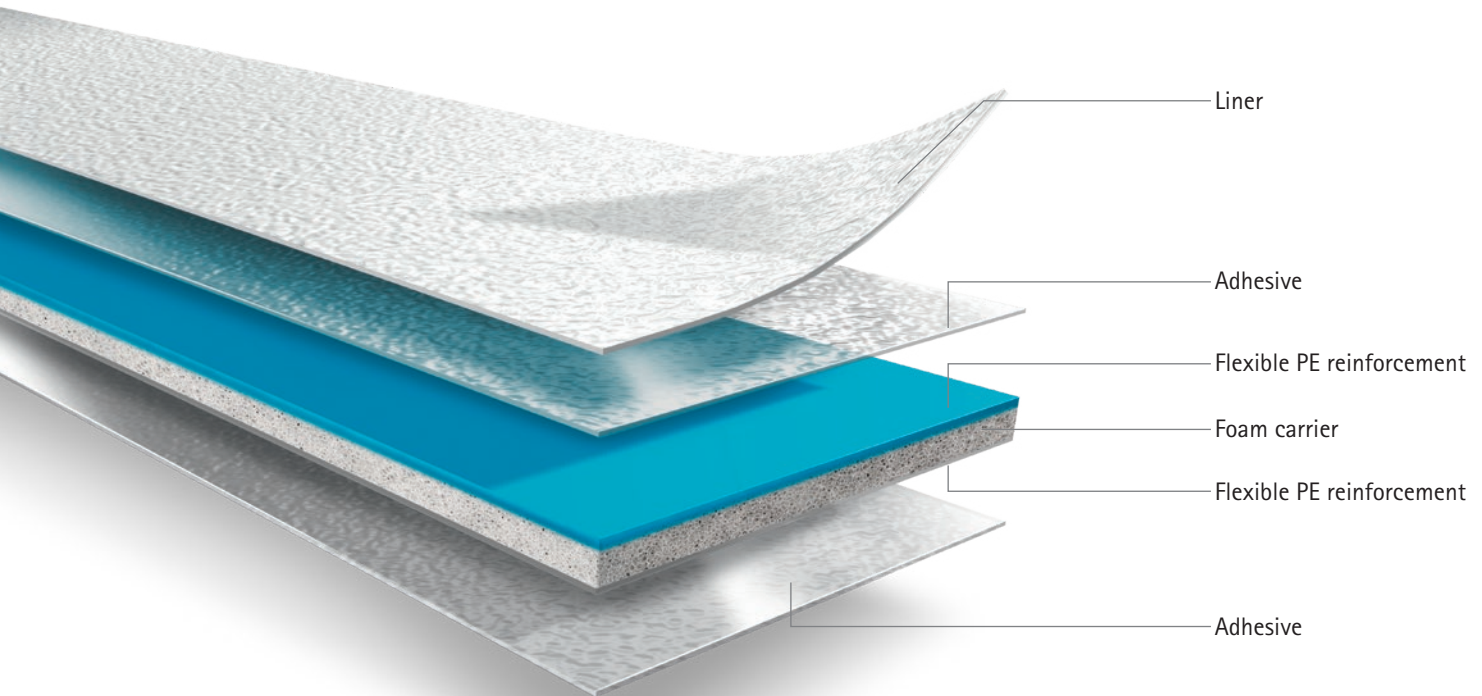
 **Lohmann**  
The Bonding Engineers

# DuploFLEX® 5

## The art of the optimized printing process.

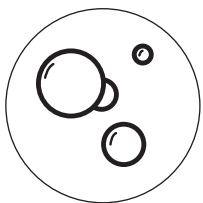
Increasing customer expectations and a greater complexity result in higher demands on flexible packaging printing. Thus, choosing a suitable plate mounting tape is the key to ensuring increased efficiency and process reliability. Solutions that are easy to mount and demount whilst guaranteeing perfect print results are essential.

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



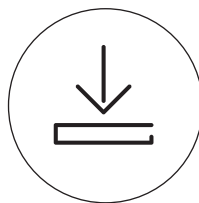
## Unique specifications for individual requirements.

DuploFLEX® 5 meets these increasing demands on flexo printing exactly. You can find a wide selection of adhesive tapes with different foam qualities, adhesive formulations and foam hardnesses cleverly combined in our DuploFLEX® 5 portfolio.



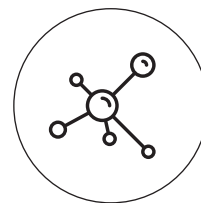
### Foam qualities

- Polymer foam for demanding print jobs
- High-Performance (HP) polymer foam for very demanding print jobs



### Foam hardnesses

- Soft: for fine process work, highlights and very fine lines
- Medium soft: for process work, brilliant halftones and fine lines
- Medium firm: for halftones and lines, a combination of solids, line work and screen
- Firm: for solids, lines, large fonts



### Adhesive formulations

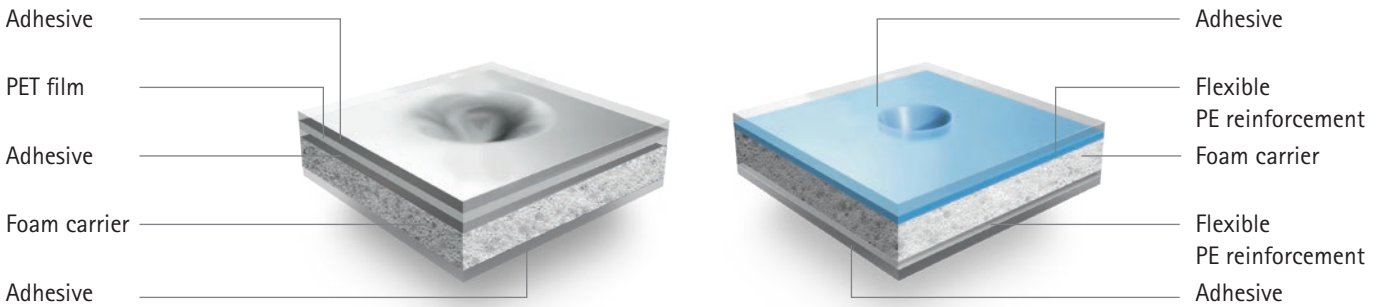
- Classic adhesive formulas for standard mounting requirements
- Improved adhesive formulas EBS, EB & EBX for the best handling
  - Ideal in the case of strong temperature and humidity fluctuations
  - A highly increased resistance against solvents
- Newly developed GRIP adhesive formulation to optimize grip to plate and sleeve, with the adhesion being balanced by a smooth peel, making edge lifting no longer a problem

# Double-sided flexible PE reinforcement

## For your decisive edge in quality.





In contrast to conventional foam adhesive tapes with a laminated PET film, our DuploFLEX® 5 range is equipped with a double-sided flexible PE reinforcement. This offers a significant construction feature, which ensures optimal printing results, because the forces acting upon the

compressible foam are perfectly cushioned. The result: no uncontrolled dot gain and an excellent print image, even at high printing speeds (600 m/min).



Conventional foam adhesive tape with laminated PET film.

The DuploFLEX® 5 range with double-sided flexible PE reinforcement which perfectly cushions the impression applied and prevents dot gain.

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





## The art of offering the right solution for every requirement

### DuploFLEX® 5: Our range for excellent printing results.

#### DuploFLEX® 5 CLASSIC family: The perfect basis.

The high quality of our tape solutions is no coincidence. Every DuploFLEX® 5 adhesive tape includes the know-how of our experienced specialists. The DuploFLEX® 5 CLASSIC family has been especially developed for 0.55 mm flexo printing, offering all the advantages you could ask for: minimized plate lifting and no uncontrolled dot gain as well as residue-free demounting.

#### DuploFLEX® 5 EB family: For very challenging environmental conditions.

With its optimized adhesive formula the DuploFLEX® 5 EB ("Engineered Bonding") family offers higher adhesive stability under extreme temperatures and humidity variations while greatly increasing the resistance to solvents at the same time.

*All of our product families are equipped with double-sided PE reinforcement for the highest print quality in all flexo printing processes.*

#### **NEW** DuploFLEX® 5 GRIP family: Improved grip for your print jobs.

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.

#### DuploFLEX® HP 5: Special challenges require special features.

In case of bouncing or when particularly long and high speed print runs have to be realized with a consistent high level of print quality, DuploFLEX® HP 5 is the right choice. The high performance (HP) polymer foam, with its high level of uniformity and relatively small cell structure, offers superior stability and original shape resiliency while preventing vibration marks in the printed image.

# All your advantages at one glance

Whatever product you choose – your competitive advantage is guaranteed.

Whatever the challenging requirements in printing, mounting or demounting, our DuploFLEX® 5 portfolio combines unique specifications for individual advantages. Follow the recommendation (++++=highly recommended) and choose the most suitable product for your specific needs. Your Flexpert is available to support you, please contact: [www.lohmann-flexperts.com](http://www.lohmann-flexperts.com)

		ADHESIVE PROPERTIES							FOAM PROPERTIES	
		CLASSIC FAMILY				EB FAMILY				
		DF 5	DF 5 SPL	DF 5 PLUS	DF 5 MAXX	DF 5 EBS	DF 5 EB	DF 5 EBX		DF 5 GRIP
PRINT QUALITY	Excellent print quality ensured by Lohmann double-sided PE reinforcement	++++	++++	++++	++++	++++	++++	++++	++++	++++
	No uncontrolled dot gain	++++	++++	++++	++++	++++	++++	++++	++++	++++
	Effectively counteracts bouncing	++	++	++	++	++	++	++	++	++++
	Long and fast running machines	+	+	+	+	+	+	+	++	++++
HANDLING	Easy repositioning during mounting process	+++	+++	+++	+++	+++	+++	+++	+++	+++
	Ability to minimize the potential of edge lifting	+	++	++	+++	++	+++	+++	++++	++
	Easy demounting (lowest adhesive resistance)	++++	++++	++	+	++	+	+	+	++
	Smooth and consistent demounting	++	++	+	+	+	+	+	++++	+
	High adhesive performance to the sleeve	+	++	++	++	+++	++	++	++++	++
	Resistance to changes of climate conditions (temperature and humidity)	++	++	+	+	+++	+++	+++	++++	+
	Resistance to solvents	++	++	+	+	+++	+++	+++	++++	+

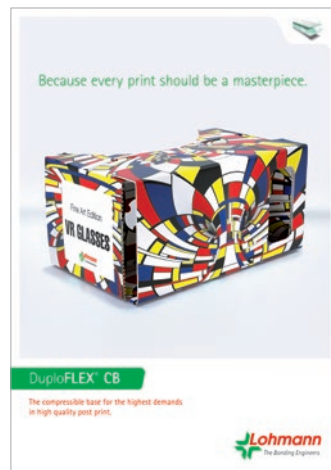
# The art of always having the right material.

## DuploFLEX® – a portfolio for all situations

Flexible packaging, labels, corrugated board: no matter what kind of flexo printing is involved – with the DuploFLEX® portfolio you can always rely on an uncompromising quality. Even under the most difficult conditions. More about the individual advantages of our plate mounting tape solutions can be found in our DuploFLEX® brochures.



DuploFLEX® 3 | 4



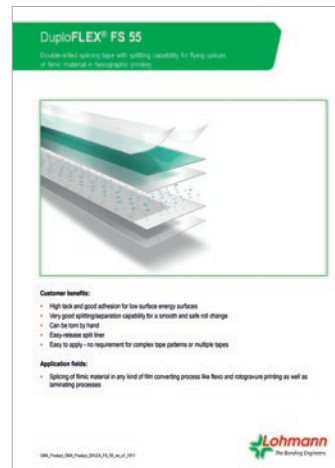
DuploFLEX® CB



DuploFLEX® Guide



**NEW** DuploFLEX® 5 GRIP



DuploFLEX® FS 55

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[www.lohmann-flexperts.com](http://www.lohmann-flexperts.com)

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certified since 2011

