

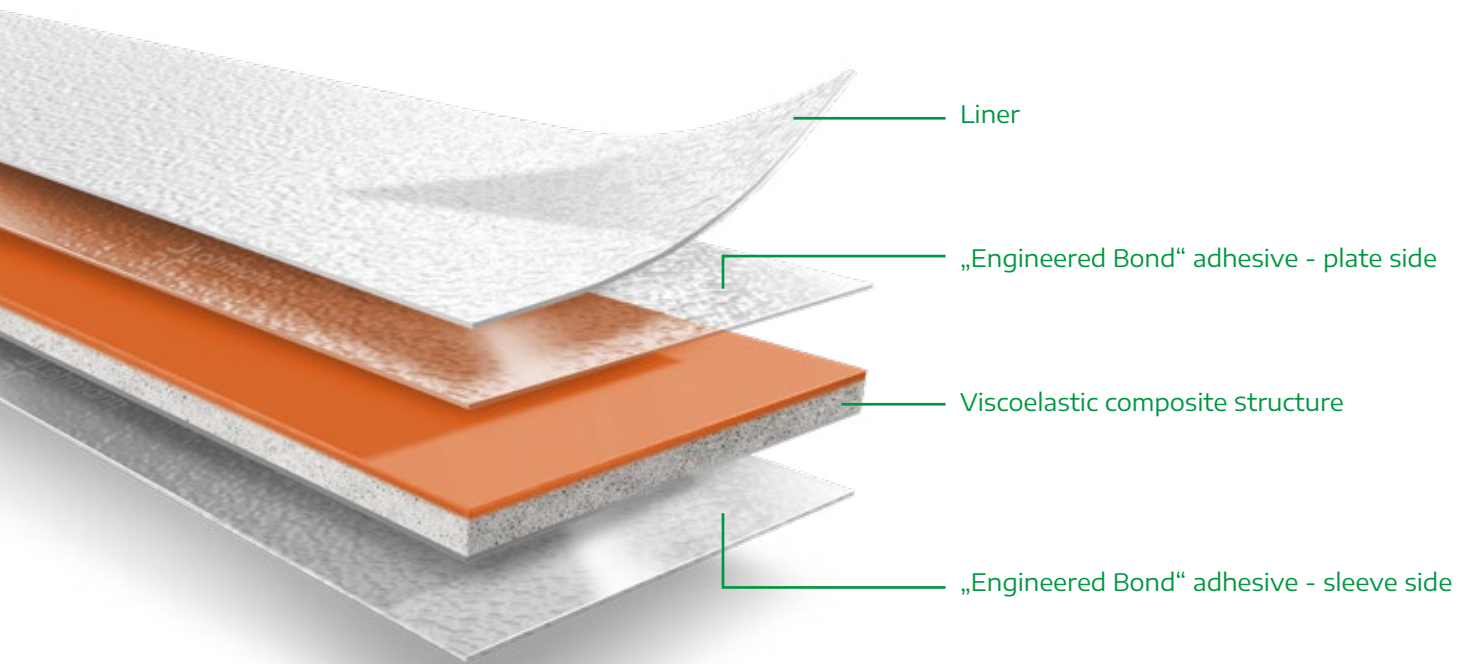


Smart Bonding Solutions for Flexible Packaging, Corrugated Board and Label Printing

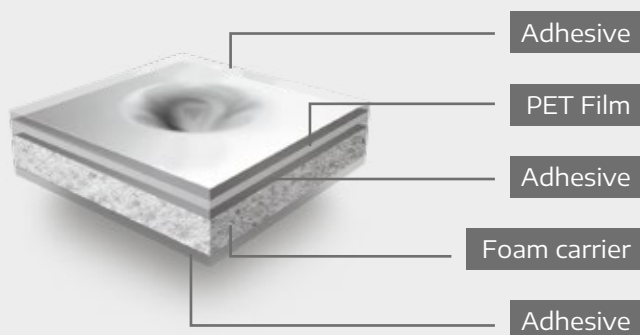
DuploFLEX® 4

The DuploFLEX 4 range is suitable for various flexible packaging and label printing applications in the **15 mil / 0.38 mm thickness category**.

Delivers a perfect print image through a unique viscoelastic composite structure with double-sided flexible PE reinforcement.



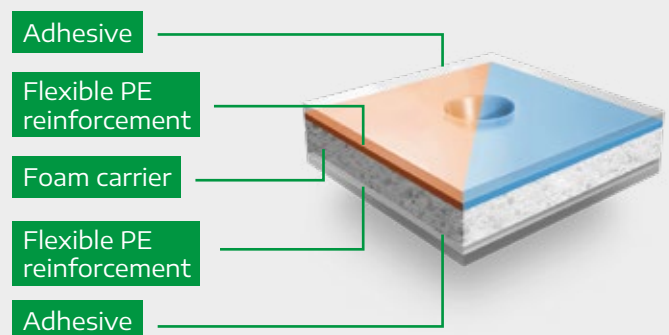
Conventional Foam Adhesive Tape:



Laminated with PET film

- Causes uncontrolled dot gain
- Leads to distorted print image

Lohmann's DuploFLEX® 4 and 5 Range:



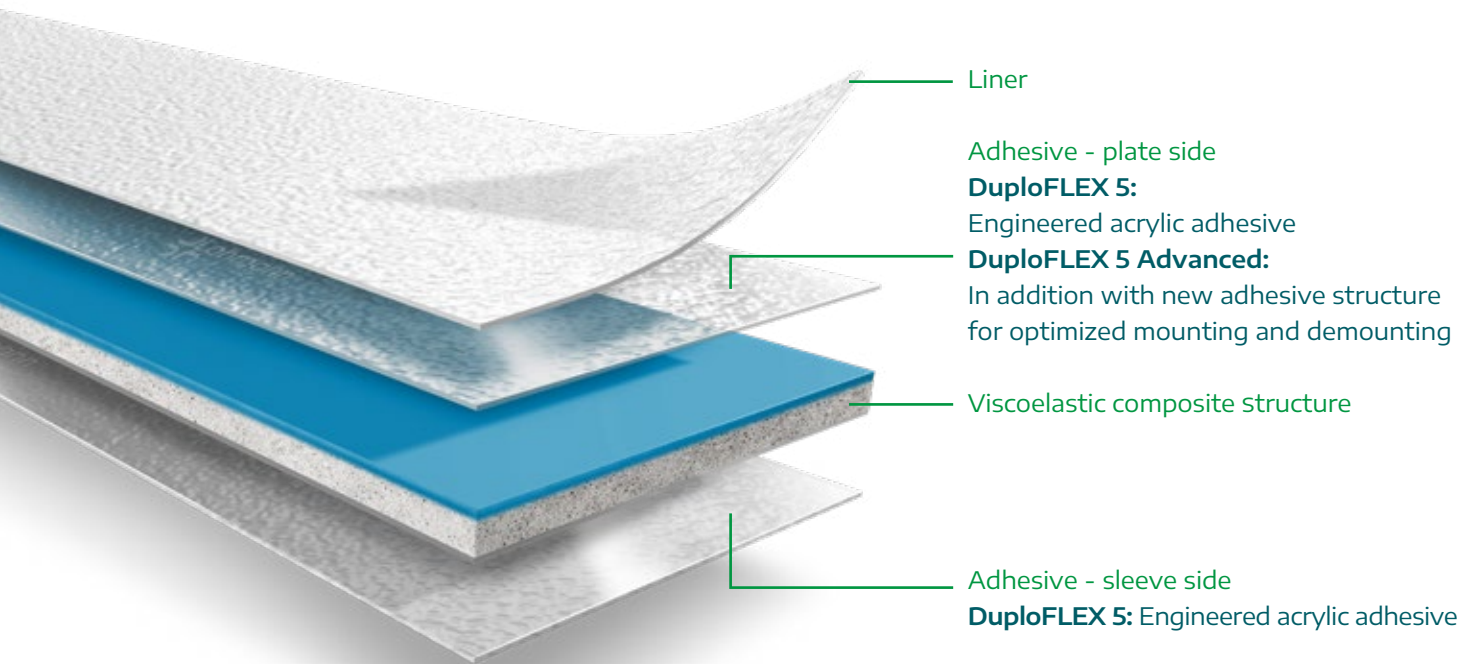
Equipped with a double-sided, flexible PE reinforcement for excellent print quality

- Forces acting upon the compressible foam are perfectly cushioned
- Controls dot gain and ensures optimal print image
- **DuploFLEX 4:** even at low impression settings
- **DuploFLEX 5:** even at high printing speeds (600 m/min)

DuploFLEX® 5

The DuploFLEX 5 range is suitable for various flexible packaging, label and corrugated board printing applications in the **20 mil / 0.50 mm thickness category**.

Delivers a perfect print image through a unique viscoelastic composite structure with double-sided flexible PE reinforcement.



DuploFLEX® HP 5 Range:



Standard foam

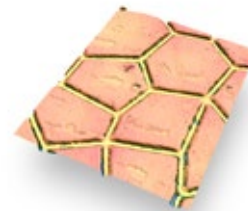


HP foam

High-performance polymer foam for unrivaled stability

- High-end print results for long and high-speed print runs
- Excellent print stability
- Prevents vibration marks in the printed image

DuploFLEX® OVX Adhesive System:



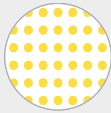
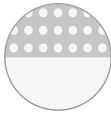
- Unique Acrylic Adhesives System to eliminate edge lifting while providing easy removal to prolong plate life
- Channelled liner to eliminate air entrapment
- Consistent adhesive properties over a wider range of temperature and humidity conditions

DuploFLEX® Solutions

DuploFLEX® 4 15 mil / 0.38 mm solutions

Product color	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

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	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 / 1.00 mm solutions

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® Portfolio Overview

Adhesive	Description	Liner	Suggested plate thickness	Cylinder size
New OVX 201	Medium adhesion	Air release channel	.045" - .067" / 1.14 - 1.7 mm	All sizes and repeat lengths
OV 101	Low adhesion	Embossed	.045" - .067" / 1.14 - 1.7 mm	Medium and large
EB 101	Medium low adhesion	Embossed	.067" / 1.7 mm	Medium and large
EBX	Medium high adhesion	Embossed	.067" / 1.7 mm	Small and medium
EBT	High adhesion	Embossed	.067" - .107" / 1.7 - 2.7 mm	Small and medium
EBXT	Highest adhesion	Embossed	.067" - .107" / 1.7 - 2.7 mm	Small

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.

Six adhesion levels

- Six 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



The choice of the correct plate mounting tape and helpful devices very often become 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.

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

Find out more about our DuploFLEX portfolio and your benefits at lohmann-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**.



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