

Phoenix Release BV

UV- Release Coatings for QSR applications

Cost savings and more sustainability

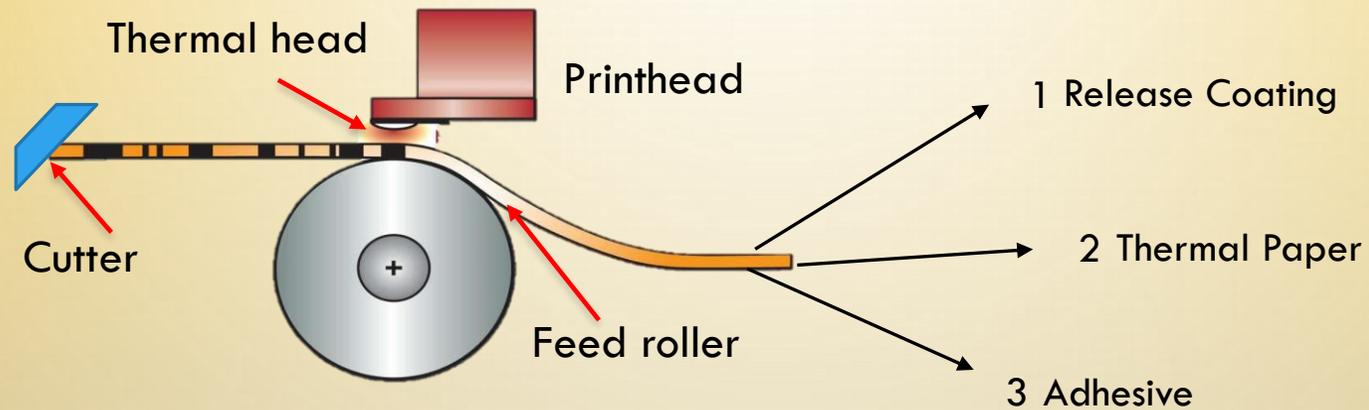
QSR

Phoenix Release

Why Phoenix Release ?

- Significant reduction of silicone allows more sustainable solutions.
- Easier handling due to coater ready delivery
 - Simple warehouse management - Easier handling
- Easy to tight release with a high crosslinking density
 - Faster cure speed - Stable release with high SA%
- Durable RC with good mechanical, chemical and moisture resistance.
- With the new UV-LED products, we expand the possibilities for more sustainability.

Overview DT Linerless for Logistic- Retail- OSR



Logistic

- 1 Easy Release Coating $\sim 1\mu$
- 2 Thermal paper: Top Coat
- 3 Adhesive: Permanent $\sim 15\mu$

Retail

- 1 Easy Release Coating $\sim 1\mu$
- 2 Thermal paper: Top Coat
- 3 Adhesive Permanent $\sim 15\mu$

OSR

- 1 Easy Release Coating $\sim 1\mu$
- 2 Thermal paper: Top Coat / Eco
- 3 Adhesive; Permanent- Removable- Microsphere $< 15\mu$

OSR

The flexible Phoenix approach to QSR

RC10LV

Release Coatings

RC25

- Stable and easy release

- Significant less Silicone < 20%
- Excellent crosslinking / resistance
- Compatible to thermal heads
- Coater ready

- Stable and tight release

- Drastic less Silicone content < 2%
- Excellent crosslinking / resistance
- Compatible to thermal heads
- Coater ready

Permanent >24N ← PSA → Repositionable < 5N

QSR

Adjusting Release force to the adhesive used

RC10LV	RC25*		Permanent PSA	Remove – Reposition able
Easy Release	Tight Release		~24N	< 5N
Mixing ratio %				
100	0	→	Easy Release	Premium Release
50	50			
25	75	→	Controlled Release	Easy Release
5	95			
0	100	→	Tight Release	Easy- Controlled

* Excellent chemical and mechanical resistance

Benefits of Phoenix Release Coatings

- RC10LV/RC25 are usable for all Thermal Papers. The products act as a Top Coat in combination with recommended Eco Thermal Papers. That means excellent water repellence and mechanical/chemical resistance.
- Drastic reduction of silicon in the formulations. The issue of recycling problems can be mitigated or eliminated. More sustainable label solutions.
- The flexibility to adjust release forces with RC10LV/RC25 at the machine to the requirement of the adhesive used. From permanent to removable to microsphere adhesive technology. Both products are coater ready and easy to blend.
- Silicon- free and fossil- free Release Coatings in the foreseeable future.

Flexible, profitable and sustainable

Phoenix Release

Communication is key

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