

Intelligent Paper

Linerless labels – labels with a future

Linerless labels are so present in our world that they are hardly noticed anymore. While they are currently still mainly used in the retail- and fast-food sectors, new, more technically sophisticated areas of application are increasingly opening up. Linerless label technology is also being used more and more in logistics and industrial labelling.

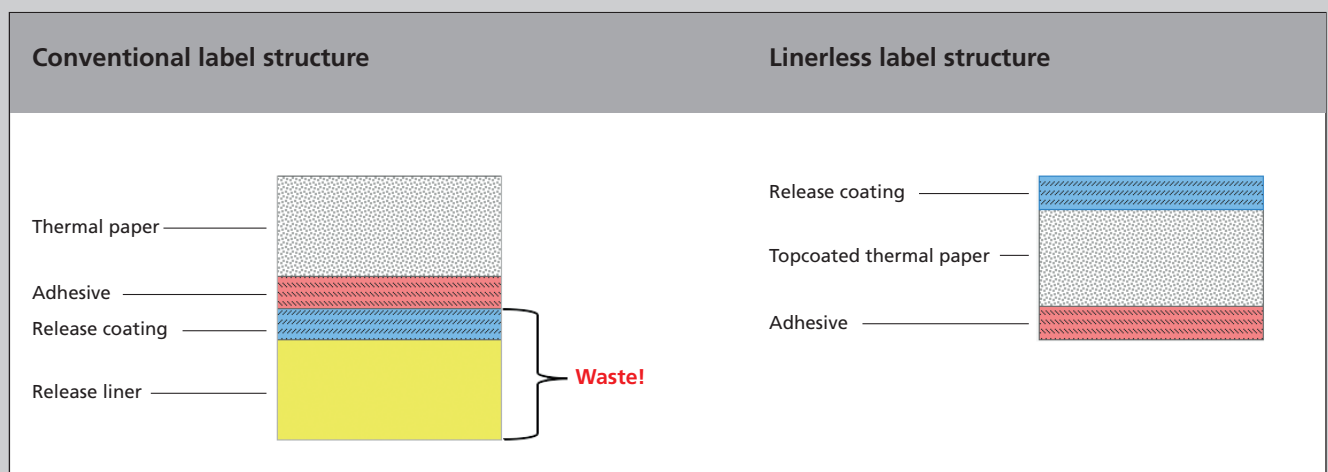
As labels are often printed quickly and in large quantities in these areas, KANZAN recommends only papers with a topcoat for these and all other areas of application.

This is the only way to guarantee constant reliability even under the highest demands.



How are linerless labels structured?

The graphic shows an example of the structure of standard- and linerless labels:



As with adhesive tape, the adhesive layer lies directly on the underlying paper layer.

KANZAN thermal papers are particularly suitable for the production of linerless labels, as we only recommend papers with a top or barrier coat for this application.

Here is an overview:

Grade	Phenol free	Bisphenol free	Grammage [g/m²]	Thickness [µm]	Thermal image
KL-LI 46*	✓		71	82	Black
KLS 46	✓		72	82	Black
KLS 56	✓		74	82	Black
KLS 44	✓		56	63	Black
KLRB 46B		✓	74	80	Red/Black

*Must not be used without release coating!

Only papers with topcoat or barrier coating ensure that

- a homogeneous and closed silicone layer is guaranteed even with a low silicone application weight.
- it is not necessary to increase the silicone application due to increased roughness.
- there are no deposits on the thermal head because the silicone application is too high.
- no adhesive is deposited on the thermal side because the silicone layer does not have any pinholes.
- there are no critical deposits on the thermal head because no adhesive is transferred from the thermal side to the print head.

Linerless labels – the perfect mix for costs and the environment

Linerless labels have the following basic advantages:

- up to 50% more paper on the roll
- variable label size possible
- up to 60% more labels per roll
- fewer roll changes and less downtime for thermal printers

RESULT: UP TO 15% HIGHER PRODUCTIVITY!

- no need to stock different label sizes
- transport and storage costs reduced by up to 40%
- less waste and a significantly smaller carbon footprint (up to 40%)
- up to 50% longer durability of the thermal print heads

RESULT: OVERALL COST SAVINGS OF UP TO 30% POSSIBLE!

KANZAN papers – perfectly tailored to fit your needs.