



ThermoPro Ribbon

ThermoPro Hot Stamping Foil

Cold-Condition Durability. Exceptional Adhesion. Premium Finish.



WHAT IT IS

For applications that require more than a standard print – ThermoPro Hot Stamping Foil delivers a distinct, premium-quality finish with exceptional adhesion properties and outstanding resistance to freezing temperatures, extreme cold-water exposure, abrasion, and scratching.

Hot stamping foil transfers under heat and pressure, bonding to a variety of label and packaging surfaces with the kind of durability that survives cold-chain logistics, refrigerated storage, and harsh handling. It maintains its appearance and legibility through the most demanding cold-environment conditions.

Whether you're labelling products destined for cold rooms, freezer storage, or refrigerated transit, or you need a premium-finish label that makes an impression on the retail shelf, ThermoPro Hot Stamping Foil gives you the performance and appearance your application demands.

BEST FOR

- Cold-chain and frozen food labelling
- Refrigerated storage labels
- Products exposed to cold water or condensation
- Premium packaging with enhanced visual finish
- Labels requiring strong adhesion in low temperatures
- Product identification in cold-room environments

KEY PERFORMANCE BENEFITS

- Designed to withstand freezing and cold-water exposure
- Excellent adhesion in low - temperature environments
- Outstanding scratch and abrasion resistance
- Premium visual finish for retail and packaging
- Maintains legibility and appearance through cold chain
- Available in a range of foil colours
- Requires dedicated Stamping Equipment

APPLICATION ENVIRONMENTS

ThermoPro Hot Stamping Foil is selected for applications where standard thermal transfer ribbons cannot deliver the required combination of low-temperature performance, adhesion strength, and surface finish. It is particularly suited to:



Frozen & Refrigerated Food



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SUBSTRATE & APPLICATION GUIDANCE

ThermoPro Hot Stamping Foil is compatible with a range of label stocks and packaging surfaces. Substrate performance is application-specific and depends on surface finish, temperature range, and the type of hot stamping equipment in use.

We strongly recommend contacting your ThermoPro representative for substrate and equipment compatibility testing before committing to a full production run.

Why Cold Chain Labels Fail - And How ThermoPro Solves It

Standard adhesives and ribbon formulations are engineered for ambient conditions. In freezer environments, the wrong label becomes brittle, the ink lifts, and the adhesive fails, at exactly the moment traceability matters most.

ThermoPro Hot Stamping Foil is specifically formulated for cold-condition performance. The adhesion chemistry is designed to grip and hold even as temperatures drop, and the foil surface resists the abrasion that comes with cold-room handling and transit.

PRINTER & EQUIPMENT REQUIREMENTS

Hot stamping foil requires hot stamping or thermal transfer equipment capable of applying the correct combination of heat and pressure for the intended substrate. Consult your ThermoPro representative to confirm equipment compatibility before ordering.

AVAILABLE OPTIONS

ThermoPro Hot Stamping Foil is available in a range of standard and custom widths and lengths. Colour options and specialist formulations are available on request. Minimum quantities apply for custom cuts.

Built to the Same ThermoPro Quality Standard

Like every ribbon in the ThermoPro range, Hot Stamping Foil is manufactured to rigorous quality controls with stringent compliance standards built in. Enhanced technology, certified quality - in standard and custom sizes.

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**Minimum quantities apply when cut to order.*