

# PRINT Low Temp Technical Data Sheet



## Description

After years of research and development on printable polyurethanes, PRINT Nylon is now available with a unique low temperature heat transfer glue. Specifically for applying to nylon or coated fabrics previously difficult to print. The new advances in PRINT Nylon allows Eco-Solvent printers to expand further into specialty item transfer printing, including heat sensitive and waterproofed items.

Get ready to start printing waterproof gear, leather compendiums, PVC coated fabrics such as gazebos, pop up tents and cafe umbrellas.

## Product Specifications

Type	Finish	Material	Material Thickness	Support (Backing)	Support Thickness
Print	Matte	PU	70µ	Polyester	100µ

## Product Availability

PRINT Nylon is only available for purchase in rolls and is not sold by the metre.

Item Code	Length	Width	Area
VPVNY-05025	25m	0.50m	12.5

## Application Guidelines

Please see Application Instructions overleaf.

Application Tape	Time	Temperature	Pressure	Peel	Fabrics
Flex Tape	10-12s	100-110 °C	Moderate	Warm/Hot	Cotton, Polyester, Cotton Polyester blends, Nylon

\* Application Guidelines are provided as a recommendation only. They will vary depending on the machine, fabric and environmental conditions.

## Printer Guidelines

Our vinyl is compatible with eco-solvent/solvent printers. The below example settings are based on a Roland VS-640.

Plotter	Quality	Direction	Printhead Speed	Colour Management	Mode
Roland VS-640	High quality/Standard	Bidirectional	300-450mm/s	Max Density US / sign&display	Print and cut

\* Printer Guidelines are provided as an example only. Settings will vary depending on the machine and environmental conditions.

## Cutter Guidelines

Our vinyl is compatible with all all widely-used cutters. These are example settings based on a Roland VS-640.

Cutter	Speed	Blade	Pressure	Offset	Minimum cut size	Print Heater
Roland VS-640	17-20cm/s	Standard 45°	60-80g	0.275mm	0.7cm	Off

\* Cutter Guidelines are provided as an example only. Settings will vary depending on the machine and environmental conditions.

# PRINT Low Temp Application Instructions



## *Printing*

EQUIPMENT/MATERIALS: Printer, printable vinyl

- Set heaters on printer to OFF or max. 30°C.
- Feed vinyl into printer with the printable side facing upwards.
- Print the design right way up (do not mirror).
- Remove the vinyl from the printer. In ideal circumstances wait 12 hours before cutting. However in a production environment time constraints or printer specifications may not allow for an overnight dry time. For best results and ease of weeding ensure the inks are completely dry before cutting, if not, cutting, weeding and washability issues may be encountered.

## *Cutting*

EQUIPMENT/MATERIALS: Printer/Cutter

- Perform test cuts to ensure proper blade depth when cutting.
- Do not cut through the backing. Cutting too deep will result in weeding and/or laminating difficulties.
- The backing should only be lightly scored when cutting.
- Please refer to example settings in cutting guidelines overleaf.

## *Weeding*

EQUIPMENT/MATERIALS: Weeding tool

- Weed away excess vinyl, i.e. anything that is not going to be applied to the garment.
- Only the desired vinyl should be left on backing sheet, ready for laminating.

## *Laminating*

EQUIPMENT/MATERIALS: Application tape, squeegee or cold roll laminator

- Place the transfer face up on a flat, hard surface.
- Peel away and discard the non-adhesive side of the application tape.
- Place application tape adhesive side face down on transfer. Any bubbles should be removed with a squeegee applicator or cold roll laminator.

## *Heat Pressing*

EQUIPMENT/MATERIALS: Heat press

- Turn transfer face down on flat surface, peel away support (backing) whilst holding application tape and transfer flat.
- Place transfer on garment in desired position, and heat press according to application guidelines.
- Once pressed, peel away application tape from the transfer (as per application guidelines).
- For best results and increased washability: After removing the application tape, cover transfer with silicon/teflon paper and perform a second press for 5 seconds.

## *Washing*

- Please note strong washing powder and detergents (i.e. detergents with strong additives) are harsh and can strip colour from the garment. We recommend modest washing powders and detergents to maintain colour brightness.
- Washing in cold water with garments turned inside out is recommended. Transfers can be washed up to max. 40°C (this is also subject to the care instructions of the garment).
- Transfers cannot be directly ironed. If ironing over transfers, place a piece of fabric over the transfer prior to ironing.
- Do not bleach or tumble dry.