



THERMAL TRANSFER RIBBONS

Quick guide

Our 4U ribbon brand provides high quality ribbons for most applications. This quick guide will help you easily identify which ribbon is perfect for you.

4U ribbons

High quality Thermal Transfer Ribbons at lower prices.

The 4U brand of thermal ribbons are produced and distributed by TTR Euroworks from our facilities in The Netherlands and UK. Choose an economy or premium quality for your flathead or near-edge printer. It's that easy, 4U works for you.

LEGEND



Shipping



Shelf & bin



Retail



Food contact



Electronics



Packaging



Inventory & logistics



Pharmaceutical



Asset tags



Automotive



Frozen food packaging



Signage



Horticulture



Tyres



Laboratories



Healthcare



Crates





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WAX

Flathead

Wax ribbons are ideal for general applications, works best on paper substrates.

Wax 4U100

Our best choice for general purpose Wax ribbon applications, producing consistent performance on a wide range of materials.

W4U100 is suited for printing on paper, to produce labels that do not need to withstand harsh conditions like rain or extreme temperatures. It is used for high blackness and fine definition barcode printing.

Characteristics

Substrate		Performance	
Vellum	++	Smear resistance	+ / -
Matt	++	Scratch resistance	+ / -
Glossy	+++	Solvents & chemicals	---
Printed	+	Inkt density	+
Poly ethylene	+	Multi-purpose	+
Poly propylene	+	Max. printspeed	11 ips
Polyester	--		
PVC	--		

Wax 4U120

With the highest smudge and scratch resistance in its range, the resin-enhanced **W4U120** is a premium quality wax ribbon for a wide range of applications.

Super edge definition for dark, dense images. It prints durable images on many substrates like coated and uncoated paper, synthetic films, and UV-varnished labels.

Characteristics

Substrate		Performance	
Vellum	+++	Smear resistance	++
Matt	+++	Scratch resistance	+++
Glossy	+++	Solvents & chemicals	---
Printed	+++	Inkt density	+++
Poly ethylene	++	Multi-purpose	++
Poly propylene	++	Max. printspeed	12 ips
Polyester	+		
PVC	+		



WAX RESIN

Flathead

Wax resin ribbons are smudge and smear resistant

Wax Resin 4U 250 Economical

General purpose flathead wax-resin thermal transfer ribbon. **WR4U250** prints great definition black images on a wide variety of substrates, like paper, synthetics, tags, polyethylene, polypropylene, PET and PVC.

It can handle print speeds up to 250 mm/s (10 IPS) and resist heat up to 100 °C. It provides good resistance against smudging and scratching.

Characteristics

Substrate		Performance	
Vellum	++	Smear resistance	+++
Matt	+++	Scratch resistance	++
Glossy	+++	Solvents & chemicals	+
Printed	+++	Inkt density	+++
Poly ethylene	++	Multi-purpose	+++
Poly propylene	++	Max. printspeed	10 ips
Polyester	++		
PVC	+		

Wax Resin 4U 200 Premium

General purpose wax-resin for use on uncoated paper, coated or glossy paper and matte synthetics. It produces crisp long-lasting images that can withstand demanding conditions.

WR4U200 is used for barcode labeling, shipping & receiving, inventory, shelf labeling, horticulture, and more.

Characteristics

Substrate		Performance	
Vellum	++	Smear resistance	+++
Matt	+++	Scratch resistance	++
Glossy	+++	Solvents & chemicals	+
Printed	+++	Inkt density	+++
Poly ethylene	++	Multi-purpose	+++
Poly propylene	++	Max. printspeed	10 ips
Polyester	++		
PVC	+		



RESIN

Flathead

Resin ribbons have a high abrasion resistance and are especially suitable for chemical applications.

Resin 4U 300 Economical

General purpose resin that produces durable and clear images with excellent scratch and smudge resistance in a wide range of industries.

R4U300 also withstands various chemicals like industrial alcohols, IPA, hydraulic oil and anti-freeze. It prints at a maximum speed of 100 mm/s (4 IPS). Its anti-static backcoat extends the printhead life.

Resin 4U 350 Premium

Performs well on all criteria; blackness, weather resistance, heat and steam. It can handle print speeds of up to 200 mm/s (8 IPS) and can be used for the most demanding conditions.

R4U350 produces very dark black images with exceptional sharpness. Its anti-static backcoat extends the printhead life and maintains print quality.

Characteristics

Substrate		Performance	
Vellum	++	Smear resistance	+++
Matt	+++	Scratch resistance	+++
Glossy	+++	Solvents & chemicals	+++
Printed	+++	Inkt density	+
Poly ethylene	+++	Multi-purpose	+
Poly propylene	+++	Max. printspeed	4 ips
Polyester	+++		
PVC	+++		

Characteristics

Substrate		Performance	
Vellum	+	Smear resistance	++++
Matt	+	Scratch resistance	++++
Glossy	++	Solvents & chemicals	++++
Printed	++	Inkt density	+
Poly ethylene	+++	Multi-purpose	+
Poly propylene	+++	Max. printspeed	8 ips
Polyester	+++		
PVC	+++		



RESIN

Near edge

Near edge resin ribbon is suited for highspeed printing on flexible packaging.

Near-edge ribbons have been developed for high-volume, high speed printing processes. Thanks to their special formulation they are perfect for printing on most substrates, ensuring readability.

We offer near-edge ribbons formulated with wax-resin and resin. These ink ribbon types have been developed for different stress requirements and substrates. As a general rule, resin ribbons are more durable than wax-resin ribbons.

Another advantage of near edge ribbons is that they are made with a thinner PET fim, resulting in more meters per roll and less frequent ribbon changes.

Resin 4U 600 Premium

High-quality resin that produces durable images and barcodes. Prints have a high resistance to scratching and heat.

R4U600NE offers a great combination of speed and performance. It can be used for a wide range of applications and printers.

Characteristics

Substrate		Performance	
Vellum	+	Smear resistance	+++++
Matt	+	Scratch resistance	+++++
Glossy	++	Solvents & chemicals	+++++
Printed	++	Inkt density	+
Poly ethylene	++++	Multi-purpose	+
Poly propylene	++++	Max. printspeed	10 ips
Polyester	++++		
PVC	++++		



WAX RESIN

Near edge

Wax resin near edge ribbons are durable and perfect for high volume labelling.

Wax Resin 4U 410 Economical

WR4U410NE prints durable images at a maximum speed of 1000mm/s (40IPS). It has the thinnest PET film in the range, which allows for more meters per roll.

The anti-static backcoating and low energy requirements prolong the life of the printhead. Great overall cost savings for inline and packaging printing!

Wax Resin 4U 411 Premium

Wax/resin ribbon designed for industrial near-edge printers in high-volume labelling applications like flexible film and print and apply applications.

WR4U411NE produces consistent print quality and clean dot edges for dense barcodes with great abrasion resistance and it can be used for printing on a wide variety of substrates.

Characteristics

Substrate		Performance	
Vellum	++	Smear resistance	+
Matt	+++	Scratch resistance	+
Glossy	+++	Solvents & chemicals	+
Printed	+++	Inkt density	+++
Poly ethylene	++	Multi-purpose	++
Poly propylene	++	Max. printspeed	40 ips
Polyester	++		
PVC	++		

Characteristics

Substrate		Performance	
Vellum	++	Smear resistance	+
Matt	+++	Scratch resistance	+
Glossy	+++	Solvents & chemicals	--
Printed	+++	Inkt density	+++
Poly ethylene	++	Multi-purpose	++
Poly propylene	++	Max. printspeed	24 ips
Polyester	++		
PVC	++		





Wax Resin 4U 431 Special

Wax/resin ribbon designed for in-line packaging or highspeed print-and-apply. **WR4U431NE** produces excellent print density and definition on a wide range of substrates.

It has a good resistance to high temperatures and it is compatible with flexible packaging films.

Characteristics

Substrate		Performance	
Vellum	+	Smear resistance	+++
Matt	+	Scratch resistance	+++
Glossy	++	Solvents & chemicals	++
Printed	+	Inkt density	+
Poly ethylene	++++	Multi-purpose	++
Poly propylene	++++	Max. printspeed	40 ips
Polyester	++++		
PVC	++++		

You can check our stocklist to see our standard products and sizes. In this pdf file you can recognize the different types of ribbons by the colours, like in this brochure.

The stocklist contains information like:

- > How many rolls per box
- > Product numbers
- > M2 per roll
- > Standard widths and lengths

Scan this code to go to the right page!



PALLETDEALS

Want the best price for a large volume order?

ALL-IN pallet service, incl. delivery anywhere in Europe

- Easy online tool
- Lowest prices per ribbon roll
- Delivered from local stock
- Fill a Euro pallet with 120 boxes of your choice
- Mix any of the standard 4U thermal ribbons types and roll sizes
- Send the order request online to our team or save it as a PDF document

Try it now!



TEST IT YOURSELF!

Want to make sure our ribbons work for you? Order one or more samples!

Trust is good, testing is better. We want you to be sure about the quality of our 4U thermal transfer ribbons. That's why we make it very easy for you to receive test samples free of charge.

Submit your request online or contact our team of print experts. They can help you to select the perfect 4U ribbon quality for your application.

More information and sample request available here!





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