

**PELEMAN**

# ***Flat Bed Foil Printer Foil Handling***



## FOIL HANDLING

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### About The Foil

The foil is the original thermal transfer ribbon (TTR) for Flat Bed Foil Printer. Foils shown below are used to print on covers and other materials.


To ensure that the Flat Bed Foil Printer works correctly, we recommend using only the original foil. The printhead can be damaged when using by non-original foil, especially foils for hot stamping.

Foils are categorised based on their features. Within the same group, the same settings can be used for the foils.

*Table 2: Foil Colours*

Picture	Item Code	New Name	Group
	UFPR0000001	Metal Silver	A
	UFPR0000002	Metal Gold	A
	UFPR0000003	Metal Blue	A
	UFPR0000004	Metal Red	A
	UFPR0000018	Metal Silver	B

Picture	Item Code	New Name	Group
	UFPR000001G	Metal Gold	B
	UFPR0000020	Metal Blue	B
	UFPR0000019	Metal Red	B
	UFPR0000012	Metal Silver	C
	UFPR0000013	Metal Gold	C
	UFPR0000006	Black	D
	UFPR0000014	White	E

Picture	Item Code	New Name	Group
	UFPR0000005	Core	/

## Specifications Per Group

Below you will find specifications and indications for each group. You can use this as a reference to decide which foil can be ordered for your specific needs.

Please note that there is a large variety of materials as well as material qualities. Therefore, it is not possible to test all existing materials and material manufactures.

The list is being updated on a regular basis. Please feel free to contact us to share your results.

*Table 3: Specifications and Indications of Foil Groups*

Group	A	B	C	D	E
Range of application (only for smooth surfaces)					
Writing paper/ cardboard	**	***	**	**	N/A
Coated paper	****	***	***	***	N/A
Uncoated paper	*	***	**	N/A	N/A
PVC	*****	***	***	***	****
ABS	****	N/A	****	N/A	N/A
PE	***	N/A	***	N/A	***
Extruded acrylic	****	N/A	***	****	N/A
Smooth leather	*****	N/A	N/A	N/A	N/A
Smooth metal	N/A	N/A	N/A	N/A	N/A
Smooth wood	N/A	N/A	N/A	***	N/A

Foil specifications					
Group	A	B	C	D	E
Resin	V		V	V	V
Wax					
Wax-Resin		V			N/A
Carrier Thickness	4.5µm	4.5µm	12 µm	4.5µm	+/-4.5µm
Total Thickness	+/- 6,8 µm	+/-7,6 µm	+/-13,5µm	+/-8.5µm	7 µm
Specifications					
food-contact safe	N/A	N/A	N/A	V	V
Scratch resistance	****	***	****	****	****
Gasoline resistance	N/A	N/A	N/A	/	N/A
Ethanol resistance	N/A	N/A	N/A	/	N/A
Storage temperature	+10 up to +35°C	+10 up to +35°C	+10 up to +35°C	N/A	+5 up to +35°C
Storage humidity	30-80%	30-80%	30-80%	N/A	30-85%
Recommendations	Keep away from direct sunlight	Keep away from direct sunlight	Keep away from direct sunlight	Keep away from direct sunlight	Keep away from direct sunlight Best within 12monts

*	Very poor
**	Poor
***	Good
****	Very good
*****	Excellent
N/A	No data available (yet)
V	Yes
/	None