

# MIRACLON & RIGILON

Water soluble photopolymer printing and molding plates



**tok** TOKYO OHKA KOGYO CO., LTD.



**MIRACLON and RIGILON are series of water-soluble photopolymer printing and molding plates, manufactured by Tokyo Ohka Kogyo Co., Ltd (TOK) – Japan.**

TOK continues its commitment to our graphics industry by offering new solutions that will allow you to keep pace with the future.

The diverse range of plates satisfies all the requirements of the graphic industry.



# MIRACLON

MIRACLON can be supplied with polyester film, steel or aluminum backing, making it most suitable for letterpress, label, business forms, security, tampon printing, UV varnishing and dry offset.

## ■ Characteristics of MIRACLON plates

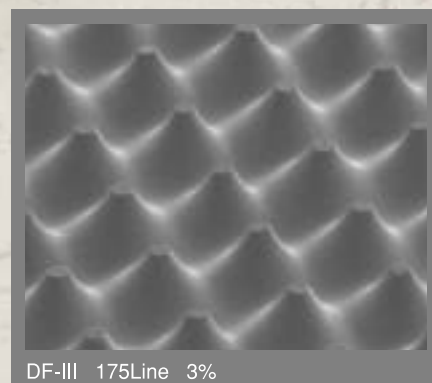
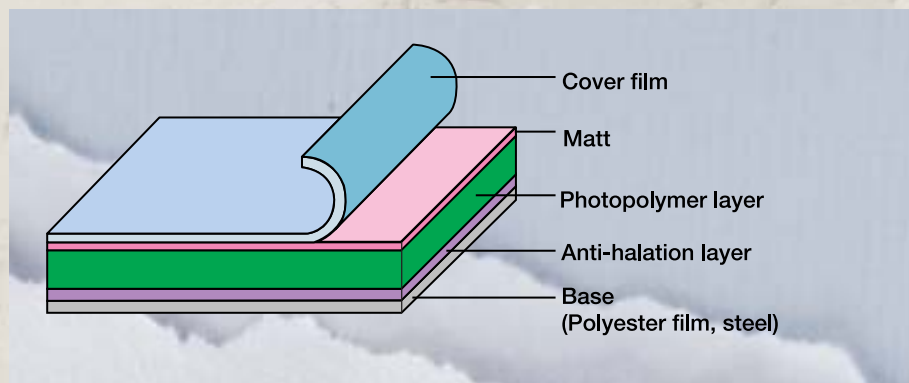
- Water-soluble guaranteeing simple plate processing.
- Environmentally friendly.
- An all-round easy and fast plate-making process.
- Delivering Excellent image reproduction.
- Superior ink transfer.

## ■ Field of application

- Business forms
- Commercial printing
- Label printing
- Tampon Printing
- Security printing
- Dry offset
- UV Flexo
- Spot UV varnishing



## ■ Structure of MIRACLON





## ■MIRACLON Product line up

Type	Product name	Total Thickness (mm)	Relief depth (mm)	Hardness Shore D	Base	Business form		Label		Dry offset	UV Flexo	
						Business form	Carbon printing	Flat bed	Rotary		UV varnishing	
MF-H	MF100H	1.00	0.70	75°	Polyester			●				
	MF94HT	0.94	0.69					●				
MF	MF100M	1.00	0.75	65°	Polyester			●				
	MF94AM	0.94	0.75					●				
	MF94BM	0.94	0.69					●				
	MF70AM	0.70	0.57					●				
DF-III	DF-III 94B	0.94	0.69	60°	Polyester				●			
CF	CF94BT	0.94	0.69	50°	Polyester				●			
B-II	B-II 94F	0.94	0.75	20°	Polyester	●						
	B-II 200F	2.00	1.81				●					
	B-II 114F	1.14	0.95								●	
	B-II 170F	1.70	1.51								●	
MS	MS100A	1.00	0.83	80°	Steel					●		
	MS94C	0.94	0.68								●	
	MS83A	0.83	0.62								●	
	MS83T	0.83	0.57								●	
	MS73	0.73	0.47								●	
DS-III	DS-III 94C	0.94	0.68	60°	Steel					●		
	DS-III 73F	0.73	0.59						●	●		
	DS-III 73	0.73	0.47							●		
ES	ES94C	0.94	0.68	80°	Steel					●		
	ES83C	0.83	0.57								●	
	ES73	0.73	0.47								●	

# RIGILON

RIGILON is used as a molding plate replacing zinc or magnesium for making rubber stereo's and hand stamps.

## ■ Characteristics of RIGILON plates

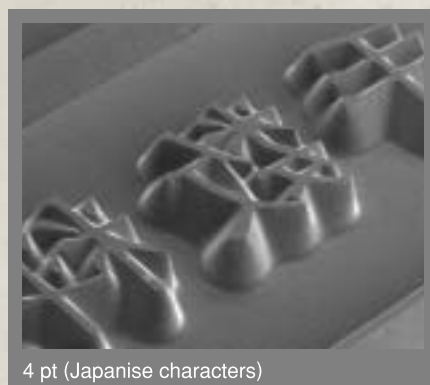
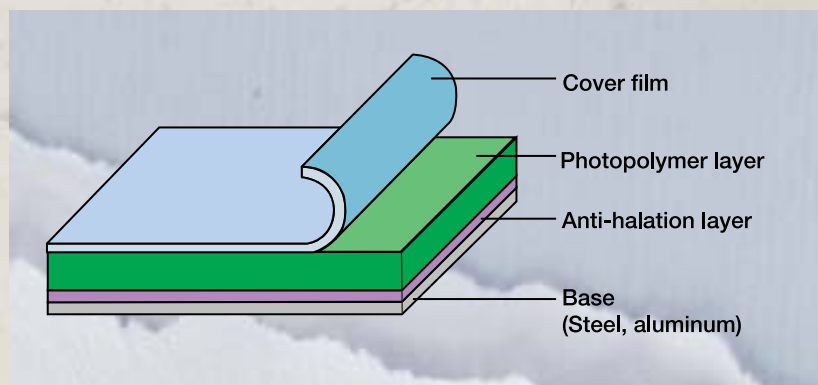
- Environmentally friendly and water-soluble plate guaranteeing simple processing without requirements of aggressive chemical etchants.
- Superior heat resistance ensuring ease of application for molding processes.

## ■ Field of application

- Molding
- Embossing



## ■ Structure RIGILON



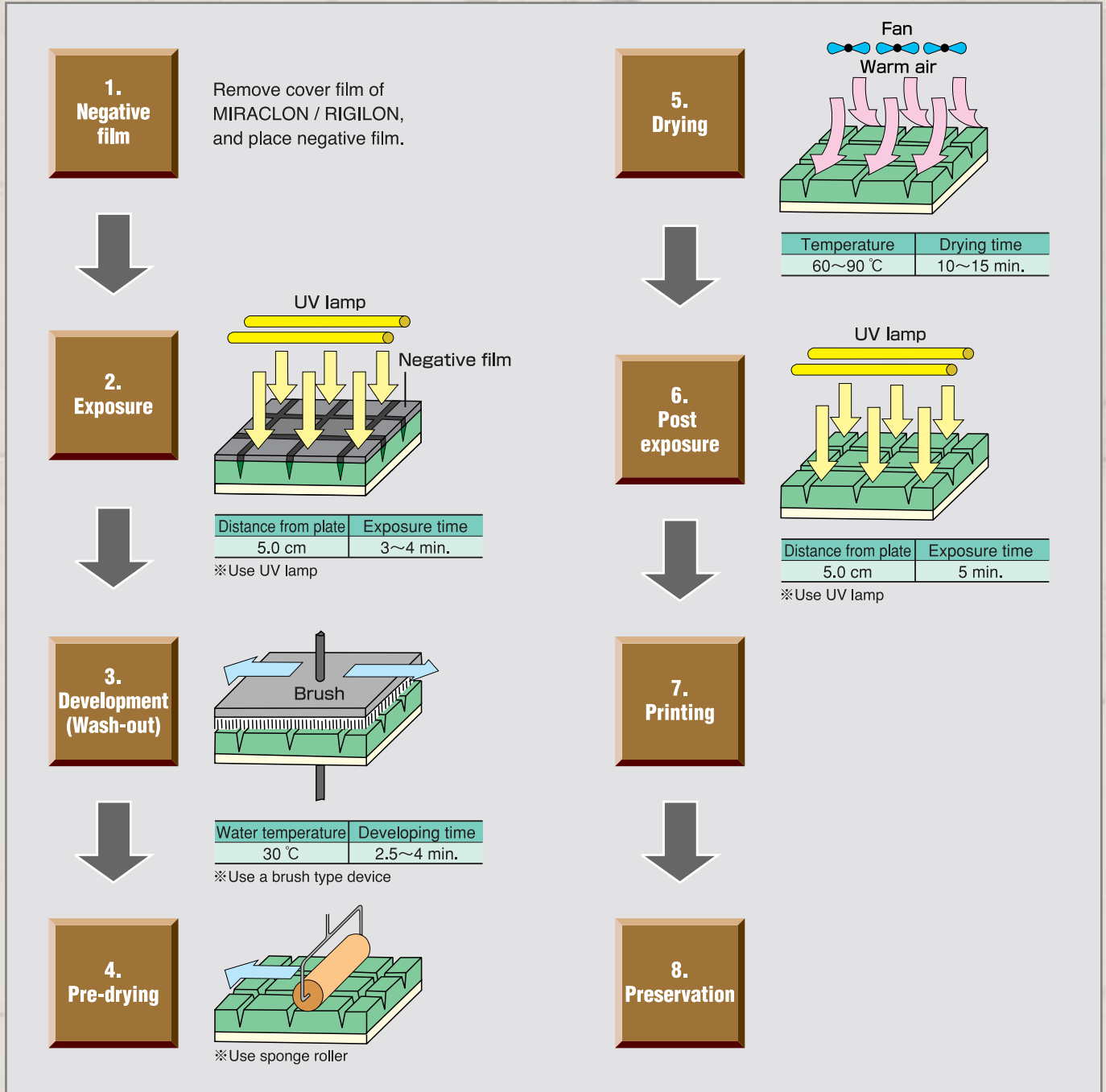
## ■ RIGILON product line up

Type	Total Thickness (mm)	Base Material	Relief depth (mm)	Size
MX-II 83	0.83	0.21 mm (steel)	0.62	A2, A3
MX-II 100AL	1.00	0.60 mm (Aluminum)	0.40	A3
MX-II 100	1.00	0.32 mm (Steel)	0.68	A2, A3
MX-II 130	1.30	0.32 mm (Steel)	0.98	A2, A3
MX-II 145	1.45	0.32 mm (Steel)	1.13	A2~A5
MX-II 165	1.65	0.32 mm (Steel)	1.33	A2~A5
MX-II 175S	1.75	0.32 mm (Steel)	1.43	A2~A5
MX-II 190S	1.90	0.32 mm (Steel)	1.58	A2~A5
MX-II 200	2.00	0.60 mm (Aluminum)	1.40	A2~A5
MX-II 200S	2.00	0.32 mm (Steel)	1.68	A2~A3
MX-II 220	2.20	0.60 mm (Aluminum)	1.60	A2~A5
MX-II 250S	2.50	0.50 mm (Steel)	2.00	A2
MX-II 270	2.70	0.60 mm (Aluminum)	2.10	A1~A5
MX-II 350	3.50	0.60 mm (Aluminum)	2.90	A1~A3

# MIRACLON & RIGILON

## ■MIRACLON & RIGILON Plate-making Process

(Note: The condition is different depending on the model.)



※Specifications in this catalogue may be subject to change for improvement of performance without prior notice.

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