



TORELIEF

TORAY Photo-Sensitive Relief Printing Plate

Features of TORELIEF

- 1 Incomparable image reproduction**
Its excellent image reproduction assures constant higher quality printing.
- 2 Good contact with negative film**
Matte finished surface of TORELIEF ensures good contact between the plate surface and negative film.
- 3 Easy and fast plate-making process**
TORELIEF is an easy and fast plate to make with its quick exposure and quick washout properties.
- 4 Color change for easier inspection**
TORELIEF W type plates feature color change by exposure, for easier plate inspection and mounting.
- 5 Environmentally friendly**
All TORELIEF plates are made of environmentally friendly ingredients and require no chemicals in processing.
- 6 Superior ink receptivity**
TORELIEF plates, especially soft and flexible BS, SS & U plates have superior ink receptivity which stands out among the competition and makes them ideal for business form and varnishing applications.
- 7 Higher durability**
Due to tough & abrasion resistant polymer being used as one of its main components, TORELIEF features an extra long printing life.

TORELIEF Plate Line-up

Torelief Digital Plates

TYPE	Base material	Thickness				Hardness Shore D	Relief Reproduction			Typical Application
		Total		Relief			Half Tone	Minimum isolated dot	Narrowest Line	
		mm	in	mm	in					
DWF 80NM	Polyester film	0.80	0.031	0.5	-0.02	55°	200L (1-98%)	100µm	20µm	Label Printing
DWF 95NM	Polyester film	0.95	0.037	0.65	0.026	55°	200L (1-98%)	100µm	20µm	Label Printing
DWS 73FNM	Steel (0.25mm/0.01in)	0.73	0.069	0.56	0.022	65°	200L (1-98%)	100µm	20µm	Dry Offset
DWS 73NM	Steel (0.25mm/0.01in)	0.73	0.069	0.46	0.018	65°	200L (1-98%)	100µm	20µm	Dry Offset
DWS 83NM	Steel (0.25mm/0.01in)	0.83	0.033	0.56	0.022	65°	200L (1-98%)	100µm	20µm	Dry Offset
DWS 95NM	Steel (0.15mm/0.007in)	0.95	0.037	0.68	0.027	65°	200L (1-98%)	100µm	20µm	Dry Offset
Wash out - Water/by Brush						Usable Laser - "Fiber Lasers, IR Laser/Wavelength=830-1070nm"				

W Type - Water washable Analogue Plates

TYPE	Base material	Thickness				Hardness Shore D	Relief Reproduction			Typical Application
		Total		Relief			Half Tone	Minimum isolated dot	Narrowest Line	
		mm	in	mm	in					
WF80DHII	Polyester film	0.8	0.031	0.5	0.02	65°	175L	150µm	40µm	Label Printing
WF50II	Polyester film	0.5	0.02	0.35	0.014	55°	175L	200µm	40µm	Label Printing
WF80II	Polyester film	0.8	0.031	0.55	0.022	55°	175L	200µm	40µm	Label Printing
WF95DII	Polyester film	0.95	0.037	0.65	0.026	55°	175L	200µm	40µm	Label Printing
WF95II	Polyester film	0.95	0.037	0.7	0.028	55°	175L	200µm	40µm	Label Printing
WF95BII	Polyester film	0.95	0.037	0.73	0.029	40°	150L (5-95%)	200µm	50µm	Label Printing & Business Forms
WF70BSIIN	Polyester film	0.7	0.028	0.55	0.022	30°	150L (5-95%)	200µm	50µm	Business Forms
WF95BSIIN	Polyester film	0.95	0.037	0.73	0.029	30°	150L (5-95%)	200µm	50µm	Business Forms
WF95SS3	Polyester film	0.95	0.037	0.73	0.029	22°	150L (5-95%)	200µm	50µm	Business Forms
WF114SSIII	Polyester film	1.14	0.044	0.95	0.037	22°	150L (3-97%)	150µm	40µm	UV Varnishing
WF170SSIII	Polyester film	1.70	0.066	1.51	0.059	22°	150L (3-97%)	150µm	40µm	UV Varnishing
WF200U	Polyester film	2	0.079	1.78	0.07	22°	150L (5-95%)	150µm	40µm	UV Varnishing
WS58HII	Steel	0.58	0.023	0.31	0.012	22°	150L (5-95%)	150µm	40µm	Dry offset
WS73HII	Steel	0.73	0.029	0.46	0.018	22°	150L (5-95%)	150µm	40µm	Dry offset
WS83HII	Steel	0.83	0.033	0.56	0.022	22°	175L (1-95%)	200µm	40µm	Dry offset
WS95HII	Steel	0.95	0.037	0.68	0.027	22°	175L (1-95%)	200µm	40µm	Dry offset

Y Type - Water washable Analogue Plates

TYPE	Base material	Thickness				Hardness Shore D	Relief Reproduction			Typical Application
		Total		Relief			Half Tone	Minimum isolated dot	Narrowest Line	
		mm	in	mm	in					
WF80Y3	Polyester film	0.8	0.031	0.55	0.022	55°	200L (1-95%)	120µm	40µm	Label Printing
WF80DY3	Polyester film	0.8	0.031	0.5	0.02	55°	200L (1-95%)	120µm	40µm	Label Printing
WF95DY3	Polyester film	0.95	0.037	0.65	0.026	55°	200L (1-95%)	120µm	40µm	Label Printing
WF175MY3	Polyester film	1.75	0.07	1.25	0.049	55°	175L (3-95%)	200µm	50µm	Label Printing
WS73HY3	Steel	0.73	0.029	0.46	0.018	65°	200L (1-95%)	120µm	40µm	Dry offset
WS83HY3	Steel	0.83	0.033	0.56	0.022	65°	200L (1-95%)	120µm	40µm	Dry offset
WS95HY3	Steel	0.95	0.037	0.68	0.027	65°	200L (1-95%)	120µm	40µm	Dry offset
WS73FHY3	Steel	0.73	0.029	0.56	0.022	65°	200L (1-95%)	120µm	40µm	Dry offset
WS58HY3	Steel	0.58	0.023	0.31	0.012	65°	200L (1-95%)	120µm	40µm	Dry offset