

The nyloprint® printing plates range – conventional and digital

PLATE TYPE	TOTAL THICKNESS (mm / inches)	RELIEF HEIGHT (mm / inches)	BASE MATERIAL	WASHOUT TIME (min)	TEMPERATURE	DRYING TIME AND TEMPERATURE	MAIN FIELDS OF APPLICATION
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water-washable

nyloprint® WF blue	0.80 / 0.031 0.95 / 0.037	0.50 / 0.020 0.65 / 0.026	Polyester	3–4 3–4	28 °C / 82 °F	10 min 12–15 min at 60 °C / 140 °F	Flexible plate for label and rotary letterpress printing, also suitable for exposure with 09N-UVA tubes and also washable with brushes, male die for blind embossing
nyloprint® WF blue D	0.80 / 0.031 0.95 / 0.037	0.50 / 0.020 0.65 / 0.026	Polyester	3–4 3–4	28 °C / 82 °F	10 min 12–15 min at 60 °C / 140 °F	Flexible digital plate for label and rotary letterpress printing, also suitable for exposure with 09N-UVA tubes and also washable with brushes, male die for blind embossing
nyloprint® WF-H	0.70 / 0.028 0.80 / 0.031 0.95 / 0.037	0.48 / 0.019 0.50 / 0.020 0.65 / 0.026	Polyester	2.5 3.0 3.5	28 °C / 82 °F	10–15 min at 60 °C / 140 °F	Flexible plate for label and rotary letterpress printing
nyloprint® WF-HD	0.80 / 0.031 0.95 / 0.037	0.50 / 0.020 0.65 / 0.026	Polyester	3.0 3.5	28 °C / 82 °F	10–15 min at 60 °C / 140 °F	Flexible digital plate for label and rotary letterpress printing
nyloprint® WF-F	0.80 / 0.031 0.95 / 0.037	0.50 / 0.020 0.65 / 0.026	Polyester	4.0 5.5	28 °C / 82 °F	10–15 min at 60 °C / 140 °F	Flexible plate for label and rotary letterpress printing
nyloprint® WF-Q	0.80 / 0.031 0.95 / 0.037	0.50 / 0.020 0.65 / 0.026	Polyester	3.0 3.5	28 °C / 82 °F	10–15 min at 60 °C / 140 °F	Flexible plate for label and rotary letterpress printing, also suitable for exposure with 09N-UVA tubes and also washable with brushes, male die for blind embossing
nyloprint® WF-M	0.70 / 0.028 0.80 / 0.031 0.95 / 0.037	0.48 / 0.019 0.50 / 0.020 0.65 / 0.026	Polyester	2.0 2.5 3.5	28 °C / 82 °F	15–30 min at 60 °C / 140 °F	Flexible, medium durometer plate for label and rotary letterpress printing, for rough or uncoated substrates
nyloprint® WS	0.43 / 0.017	0.20 / 0.008	Steel	1.0	28 °C / 82 °F	20 min at 80 °C / 176 °F	Special relief surface for high quality halftone printing, suitable for exposure with metal halide burners, also suitable for pad printing
	0.58 / 0.023	0.32 / 0.013	Steel	1.5	28 °C / 82 °F	25 min at 80 °C / 176 °F	Special relief surface for security printing, letterset, sheet-fed rotary letterpress, printing on tubes, cups and tins, also suitable for pad printing
	0.73 / 0.029 0.83 / 0.033 0.94 / 0.037	0.46 / 0.018 0.56 / 0.022 0.67 / 0.026	Steel	2.5 3.0 3.5	28 °C / 82 °F	10–15 min at 80 °C / 176 °F	Rotary letterpress and continuous form printing, tubes, cups and tins printing, security printing, flexible plate for flat-bed letterpress with magnetic plate mounting, label printing, female die for blind embossing
	1.52 / 0.060 1.75 / 0.069	1.20 / 0.047 1.45 / 0.057	Steel	5.5 7.0	28 °C / 82 °F	2 hours 3 hours at 80 °C / 176 °F	Hot moulding plates for mounting magnetically, also for hot foil stamping
	2.25 / 0.089	1.90 / 0.075	Steel	12.0	40–45 °C / 104–113 °F	60 min at 80 °C / 176 °F	Hard stencil plate for security printing
nyloprint® WS-D	0.73 / 0.029 0.94 / 0.037	0.46 / 0.018 0.67 / 0.026	Steel	2.5 3.5	28 °C / 82 °F	10–15 min at 80 °C / 176 °F	Digital steel based plate for letterset in security printing, tubes, cups and tins as well as label printing, continuous form printing
nyloprint® WS-S	2.30 / 0.091	1.95 / 0.077	Steel	12.0	40–45 °C / 104–113 °F	60 min at 80 °C / 176 °F	Soft stencil plate for security printing
nyloprint® WS-T	0.73 / 0.029	0.56 / 0.022	Thin steel	3.0	28 °C / 82 °F	10 min at 80 °C / 176 °F	Letterset, continuous form printing, tubes, cups and tins printing, label printing, high flexibility due to the thin steel base which enables to mount the plate on magnetic cylinders without pre-rounding
nyloprint® WS-W	0.73 / 0.029	0.46 / 0.018	Steel	2.5	28 °C / 82 °F	10–15 min at 80 °C / 176 °F	Special relief surface for security printing, letterset, tubes, cups and tins printing; also suitable for pad printing
nyloprint® WA	0.73 / 0.029	0.40 / 0.016	Aluminium	2.5	28 °C / 82 °F	10 min at 80 °C / 176 °F	Letterset in offset machines, format class V and VI (coating, metallic inks, special inks), metal sheet printing
	1.75 / 0.069	0.67 / 0.026	Aluminium	3.5	28 °C / 82 °F	10–15 min at 80 °C / 176 °F	Rigid plate for flat-bed letterpress and label printing
	2.10 / 0.083 2.40 / 0.094	1.05 / 0.041 1.40 / 0.055	Aluminium	5.0 7.0	28 °C / 82 °F	60 min 3 hours at 80 °C / 176 °F	Rigid moulding plate for making rubber duplicates (hot moulding) and hot foil stamping
nyloprint® WSA	0.52 / 0.020	0.20 / 0.008	Steel	2.0	28 °C / 82 °F	20 min at 80 °C / 176 °F	Gravure plate for security printing (intaglio master plate), also high quality pad and gravure printing

Standard thicknesses currently available – subject to change.

All processing parameters were established on nyloprint® equipment. The processing parameters can differ from these when other equipment is used, therefore the above mentioned values are only to be used as a guide.

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PLATE TYPE	TOTAL THICKNESS (mm / inches)	RELIEF HEIGHT (mm / inches)	BASE MATERIAL	WASHOUT TIME (min)	TEMPERATURE	DRYING TIME AND TEMPERATURE	MAIN FIELDS OF APPLICATION
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alcohol-washable

nyloprint® S	0.30 / 0.012	0.03 / 0.001	Steel	1	20 °C / 68 °F	15 min at 80 °C / 176 °F	Pad printing
	0.43 / 0.017 0.58 / 0.023	0.20 / 0.008 0.32 / 0.013	Steel	> 3 > 4	30 – 35 °C / 86 – 95 °F	20 min at 80 °C / 176 °F	Letterset, form printing on continuous letterset machines as well as label printing, metal sheet printing, sheetfed and rotary letterpress printing, suitable for pad printing; WS 58 also suitable for female die for blind embossing
	0.73 / 0.029 0.83 / 0.033 0.94 / 0.037	0.46 / 0.018 0.56 / 0.022 0.67 / 0.026	Steel	> 5 > 6 > 7	30 – 35 °C / 86 – 95 °F	20 min at 80 °C / 176 °F	Continuous form printing, sheetfed and rotary letterpress, wrap-around plate in rotary machines, commercial printing, telephone directories, catalogues, magazines, packaging, labels and tins; female die for blind embossing
nyloprint® S-G	0.73 / 0.029	0.46 / 0.018	Steel	> 5	30 – 35 °C / 86 – 95 °F	20 min at 80 °C / 176 °F	Special relief surface for security printing, also suitable for pad printing
nyloprint® S-W	0.73 / 0.029	0.46 / 0.018	Steel	> 5	30 – 35 °C / 86 – 95 °F	20 min at 80 °C / 176 °F	Special surface for security printing, letterpress, tubes, cups and tins printing, suitable for pad printing
nyloprint® A	0.73 / 0.029	0.46 / 0.018	Aluminium	> 5	30 – 35 °C / 86 – 95 °F	20 min at 80 °C / 176 °F	Letterset plate for offset machines in class V and VI
nyloprint® ST	0.52 / 0.020	0.20 / 0.008	Steel	2	20 °C / 68 °F	20 min at 80 °C / 176 °F	Gravure plate for security printing (intaglio master plate), high quality pad and gravure printing
nyloprint® ST-K	0.52 / 0.020	0.20 / 0.008	Steel	2	20 °C / 68 °F	20 min at 80 °C / 176 °F	Pad printing on ceramics

Standard thicknesses currently available – subject to change.

All processing parameters were established on nyloprint® equipment and using our washout solution nyloprint® R 241 NP. The processing times can differ from these when other equipment and washout solution is used, therefore the above mentioned values are only to be used as a guide.

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