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nyloprint® WF-S

Soft, water washable foil-based printing plate with better ink transfer

Fields of application

- Suitable for rotary letterpress, coating units, imprinting units and printing presses for special applications, such as blister printing
- Ideal for high quality demands in coating and printing with UV and oil based inks

Product features

- **Excellent print quality**
 - Soft relief layer for optimal ink transfer and outstanding solid density due to brilliant ink lay-down
 - Very good durability for long print runs
 - Reliably reusable for repeat orders
- **Excellent mounting properties**
 - High transparency of base film
 - Good colour contrast of print relief
 - Excellent adaptation to different cylinder diameters due to high flexibility
- **Efficient, standardised and fast plate processing**
 - Wide exposure latitude combined with high intermediate depths
 - Highly productive and cost effective due to plate processing within 20-35 min
 - Reduced down times on press due to fast replacement of plates
 - Suitable for processing with brush and plush washers as well as for exposure with UV-A tubes of type 09N and 10R

nyloprint® WF-S Digital



A digital version of the nyloprint® WF-S – providing all the benefits of digital plate processing – is available as special product.

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nyloprint® WF-S

	nyloprint® WF-S		
	70	80	95
Technical characteristics¹			
Base material	polyester film		
Colour of raw plate	red		
Total thickness (mm inch)	0.70 0.028	0.80 0.031	0.95 0.037
Plate hardness (Shore D)	72	70	60
Relief depth (mm inch)	0.56 0.022	0.60 0.024	0.75 0.030
Tonal range (%) at screen ruling	2 – 95 48 l/cm (121 lpi)	2 – 95 48 l/cm (121 lpi)	2 – 95 48 l/cm (121 lpi)
Fine line width (down to µm)	100	100	100
Isolated dot diameter (down to µm)	200	200	200
Distortion factor (mm inch)	3.82 0.150	4.63 0.182	5.24 0.206

Processing parameters¹			
Main exposure (min)	2 – 3	3 – 4	4 – 5
Washout at 30 °C / 86 ° F (min)	1.5 – 2.0	2.0 – 2.5	3 – 4
Drying time at 60 °C / 140 ° F (min)	10	15	20
Post exposure (min)	2	2	2

¹ All processing parameters and technical specifications depend on, among others, the processing equipment and lamp age. The above mentioned processing parameters were established under optimum conditions on nyloprint® processing equipment. Under other conditions the processing times can differ. Therefore the above mentioned values are only to be used as a guide.

Suitable equipment nyloprint® WF-S plates can be processed with nyloprint® processing equipment and all similar devices. Suitable for processing with brush and plush washers as well as for exposure with UV-A tubes of type 09N and 10R.

Printing inks and varnishes Suitable for UV and oil based inks and varnishes.

Washout medium For washout only tap water is needed.

Processing information A detailed description of the individual platemaking steps, as well as detailed information about processing and storing can be found in the nyloprint® User Guide.

High quality standard nyloprint® printing plates are manufactured according to DIN ISO 9001, DIN ISO 14001 and DIN ISO 50001 standards and requirements. This process guarantees our customers consistent high quality products and services.

Please contact us for additional information.

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