

# XSYS

Print solid. Stay flexible.

## nyloprint® **WSA**

**Water washable gravure plate  
for highest print quality and  
best durability**



**Be**  
brilliant.

# HIGHEST PRINT QUALITY AND LONG DURABILITY

- High resolution – up to 10.160 dpi.
- Very good durability for long print runs due to optimized relief formulation.
- Screen ruling up to 380 lpi (150 L/cm).
- Excellent solid density due to brilliant ink transfer.
- Reliably reusable for repeat orders.
- Also suitable for pad printing jobs with > 20.000 impressions.

## EFFICIENT, CONSISTENT AND FAST PLATE PROCESSING

- Wide exposure latitude.
- Highly productive and cost effective due to plate processing within 40 – 50 min.

## WIDE RANGE OF APPLICATIONS

- For high quality pad printing, can be also used with closed cup inking systems because of its durability.
- For sheetfed gravure printing.



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nyloprint®  
**WSA**

## ADVANTAGES OF nyloprint® DIGITAL

### Higher print quality

- Reproduction of finer details and less dot gain due to digital imaging.
- High dimensional stability.
- No defects caused by dust and damaged films.
- No data loss during transfer.
- Smoother plate surface can achieve higher density.
- Highly consistency especially with repeated plate processing.

### Cost effective and environmentally friendly

- No film costs.
- No chemicals for film development.
- Electronic filing of graphics, film storage is redundant.
- Easy and fast data exchange - worldwide.

**WATER WASHABLE  
GRAVURE  
PLATE FOR HIGHEST  
PRINT QUALITY**

# nyloprint® WSA Digital

Water washable gravure plate for highest print quality and best durability



Technical characteristics	nyloprint® WSA	nyloprint® WSA Digital
	52	52
Base material	steel	
Colour of raw plate	red	
Total thickness (mm   inch)	0.52   0.020"	0.52   0.020"
Plate hardness (Shore D)	92	92
Relief depth (mm   inch)	0.20   0.008"	0.85   0.033"
Tonal range (%) at screen ruling of	5 - 95 150 l/cm (380 lpi)	5 - 95 150 l/cm (380 lpi)
Distortion factor (mm   inch)	1.88   4.78"	1.88   4.78"

## Processing parameters<sup>1</sup>

Main exposure time (min) to be tested	0.5 - 10.0	5.0 - 15
Washout time (min)	2.0	
Washout temperature	30°C / 86°F (Pad and gravure printing)	
Drying time at 80°C / 176°F (min)	30	
Post exposure time (min)	8 - 10	

## Processing Equipment

### Suitable equipment

nyloprint® WSA and nyloprint® WSA Digital plates can be processed with nyloprint® processing equipment and all similar devices and can be used with all laser systems suitable for imaging letterpress plates. Suitable for commonly used pad printing inks (e.g. UV inks, solvent-based inks, 2K inks).

### Printing inks and varnishes

For washout only tap water is needed.

### Washout medium

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.

### Processing information

XSYS printing plates are produced at Willstätt production site, which is certified according to international standards for quality management (DIN EN ISO 9001:2015), environmental management (DIN EN ISO14001:2015) and energy management (DIN EN ISO 50001:2018).

### Certification

<sup>1</sup>) All processing parameters 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 from these. Therefore the above mentioned values are only to be used as a guide.

**Please contact us for additional information.**  
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