

# nyloprint® WSA

# nyloprint® WSA Digital

Water washable gravure plate for highest print quality and best durability



## Product features

- + **Wide range of applications**
  - + For high quality pad printing, can be also used with closed cup inking systems because of its durability.
  - + For security printing as intaglio master plate
  - + For sheetfed gravure printing
- + **Highest print quality and long durability**
  - + High resolution up to 10.160 dpi
  - + Very good durability for long print runs due to optimised 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

## 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 to achieve higher ink density
  - + Highly consistent especially when repeating plate processing
- ✓ **Cost effective and environmentally friendly**
  - + No film costs
  - + No chemicals for film development
  - + Electronic filing of graphics, no film storage is required
  - + Easy and fast data exchange – worldwide

# Where printing meets packaging.

## nyloprint® WSA | nyloprint® WSA Digital

	nyloprint® WSA 52	nyloprint® WSA Digital 52
<b>Technical characteristics</b>		
Base material	steel	steel
Colour of raw plate	red	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")	0.20 (0.008")
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)
<b>Processing parameters<sup>1</sup></b>		
Main exposure (min) to be tested	0.5-2.5	5.0-15.0 (without vacuum film)
Washout time	2.0	2.0
Washout temperature	18°C / 64°F (Intaglio master plate)  30°C / 86°F (Pad and gravure printing)	18°C / 64°F (Intaglio master plate)  30°C / 86°F (Pad and gravure printing)
Drying time at 80°C / 176°F (min)	30	30
Post exposure (min)	8-10	8-10
<b>Processing Equipment</b>		
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.	
Printing inks	Suitable for UV and oil based inks.	
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.	
Certification	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).	

1) 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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