

Rely on us.SM



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, constant 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

FlintGroup

nyloprint® WSA | nyloprint® WSA Digital

	nyloprint® WSA	nyloprint® WSA Digital
	52	52
Technical characteristics		
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)

Processing parameters¹		
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)	18 °C / 64 °F (Intaglio master plate)
	30 °C / 86 °F (Pad and gravure printing)	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

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.

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.

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.

Flint Group, Sieglestr. 25, 70469 Stuttgart, Germany • T +49 711 9816 389 • info.flexo@flintgrp.com • www.flintgrp.com

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of Flint Group's knowledge. No liability for any errors, facts or opinions is accepted. Customers must satisfy themselves as to the suitability of this product for their application. No responsibility for any loss as a result of any person placing reliance on any material contained herein will be accepted. Product names followed by ® are trademarks registered by Flint Group (represented by Flint Group US LLC or Flint Group Germany GmbH). Rely on usSM is a service mark of Flint Group.

FlintGroup