



Rely on us.SM

nyloprint[®] ST

Alcohol washable gravure plate for the highest print quality and the 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
 - Screen ruling up to 380 lpi (150 L/cm)
 - Very good durability for long print runs due to optimised relief formulation
 - Excellent solid density due to brilliant ink transfer
 - Reliably and reusable for repeat orders
 - Also suitable for high run length pad printing jobs
- **Efficient, consistent and fast plate processing**
 - Wide exposure latitude
 - Highly productive and cost effective due to plate processing within 40 – 50 min

nyloprint® ST

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52	
Technical characteristics	
Base material	steel
Colour of raw plate	red
Total thickness (mm) (inch)	0.52 (0.020")
Plate hardness (Shore D)	90
Relief depth (mm) (inch)	0.20 (0.008")
Tonal range (%) at screen ruling of	5 – 95 150 l/cm (380 lpi)

Processing parameters ¹	
Main exposure ² (min)	1.0 – 5.0
Washout time	2.0
Washout temperature	20 °C / 68 °F
Drying time at 80 °C / 176 °F (min)	20
Post exposure (min)	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.

² Values are only to be used as a guide and need to be tested with a main exposure test. This is recommended for every new batch. Detailed information can be found in the nyloprint® User Guide.

Suitable equipment nyloprint® ST plate 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 commonly used pad printing inks (e.g. UV inks, solvent-based inks, 2-K inks).

Washout medium For the washout the solvent nyloprint® R241 np 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

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