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nyloprint[®] stencil plates

Water washable stencil plates for security printing

nyloprint[®] WS 225
nyloprint[®] WS 230 S
nyloprint[®] WS 230 S Digital

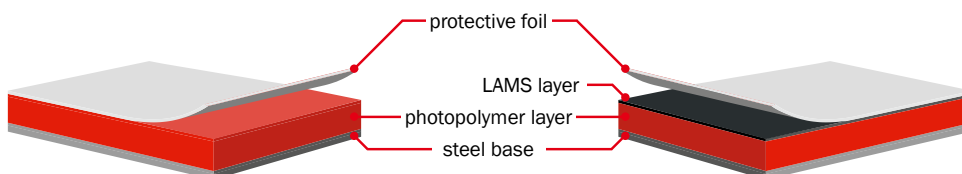
Product features

- used for inking-up the gravure cylinders in intaglio printing presses
- improves the accuracy and print quality especially in high security printing (e.g. bank notes, shares, passports, stamps, etc.)
- development based on many years experience in security printing and in close co-operation with users
- water washable plates – only pure tap water is needed for washout of the relief and thereby environmentally friendly and cost-efficient processing
- optimal ink transfer
- high contrast colour change after exposure gives additional security in the assessment of the plate quality even before washout process

Advantages of nyloprint[®] WS 230 S Digital

- **Higher print quality**
 - for highest dimension stability
 - no defects caused by dust and damaged films
 - no data loss during transfer
 - smoother plate surface can achieve higher density
 - highly consistent especially when repeating plate processing
- **Cost effective and environmentally friendly**
 - no film costs
 - electronic filing of graphics, film storage is redundant
 - easy and fast data exchange – worldwide

nyloprint[®] stencil plates conventional – nyloprint[®] stencil plates digital



nyloprint[®] stencil plates consist of a light-sensitive photopolymer layer bonded to steel.

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Flexographic Products

nyloprint® stencil plates

	nyloprint® WS 225	nyloprint® WS 230 S	nyloprint® WS 230 S Digital
	hard	soft	soft digital
Technical characteristics			
Base material	steel 0.3 mm (0.012")		
Colour of raw plate	red		
Total thickness* (mm inch)	2.25 0.089	2.30 0.091	2.30 0.091
Plate hardness (Shore D)	47	27	27
Relief depth (mm inch)	1.90 0.075	1.95 0.077	1.95 0.077
Fine line width (down to mm)	2	2	2
Isolated dot diameter (down to mm)	2	2	2
Distorsion factor (mm inch)	12.25	12.56	12.56

Processing parameters**			
Main exposure at 15 mW/cm ² (min)	15	15	5
Washout in brush washer at 45 °C / 113 ° F	12 min / 80 – 100 mm/min	12 min / 80 – 100 mm/min	12 min / 80 – 100 mm/min
Drying time at 80 °C / 176 ° F (min)	60	60	60
Post exposure (min)	10	10	10

* Standard thicknesses currently available – subject to change.

** All processing parameters depend on amongst 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

The nyloprint® WS plates can be processed with nyloprint® processing equipment and all similar devices. The nyloprint® WS-S Digital can be used with all IR-laser systems suitable for imaging letterpress plates. For washout the use of brushes in the washer is recommended.

Washout medium

For washout only pure 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 in accordance to the requirements and standards of DIN ISO 9001. This process guarantees our customers maximum quality consistence.

You are welcome to contact us for further information.

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