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nyloprint[®] poly chablon plates

Water washable chablon plates for security and banknote printing



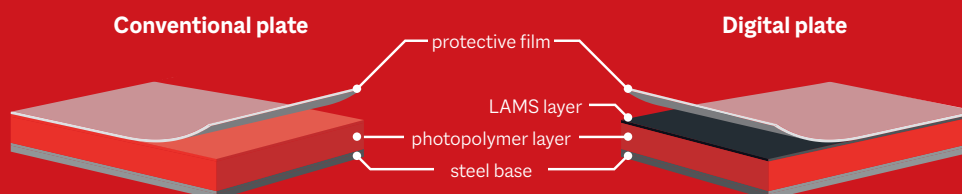
Product features

- + 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 of experience in security printing and in close cooperation with users
- + Water washable plates – only pure tap water is needed
- + Optimal ink transfer due to soft relief layer
- + 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

Comparison of nyloprint[®] digital plate versus nyloprint[®] conventional plate



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

XSYS
Print solid. Stay flexible.

nyloprint® poly chablon plates

	nyloprint® WS 225 ¹	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 ² (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)	1	1	1
Isolated dot diameter (down to mm)	2	2	2
Distortion factor (mm inch)	12.25 0,48	12.56 0,49	12.56 0,49

Processing parameters³

Main exposure at 15 mW/cm ³ (min)	15	15	15
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

Processing Equipment

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 according to DIN ISO 9001, DIN ISO 14001 and DIN ISO 50001 standards and requirements. This process ensures our customers consistent high quality products and services.

1) non-standard product 2) Standard thicknesses currently available – subject to change. 3) 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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