Be brilliant.

nyloprint® WA 116 S[1]
nyloprint® WA 116 S Digital

Water washable coating plate for security printing (inhouse plate processing)

Product features

+ **Applications**
  + Water-washable–ideal for inhouse plate processing, e.g. on nyloprint® Flowline Washer
  + Designed for high quality demands in coating with UV-varnish
  + Inline and offline print finishing
  + For solid and spot coating
+ **Highest print quality**
  + Excellent solid density due to brilliant ink transfer of the soft relief layer
  + High register accuracy due to the dimensional stability of the aluminium base
  + Very good durability for long print runs
  + Reliably reusable for repeat orders
+ **Efficient, consistent and fast plate processing**
  + Highly productive and cost effective due to plate processing within 25-35 min
  + Reduced down times on press due to fast replacement of plates
  + Wide exposure latitude combined with open reverses

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

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	nyloprint® WA 116 S[1]	nyloprint® WA 116 S Digital
	116	116
Technical characteristics		
Base material	aluminium	aluminium
Colour of raw plate	red	red
Total thickness (mm) (inch)	1.16 (0.046″)	1.16 (0.046″)
Plate hardness (Shore D)	38	38
Relief depth (mm) (inch)	0.85 (0.033″)	0.85 (0.033″)
Tonal range (%) at screen ruling of	3–90 60 l/cm (150 lpi)	3–90 60 l/cm (150 lpi)
Fine line width (down to µm)	100	100
Isolated dot diameter (down to µm)	400	400
Distortion factor (mm) (inch)	5.4 (0.212″)	5.4 (0.212″)
Processing parameters[2]		
Exposure (min)	3–4	3–4
Washout speed Flowline Washer (mm/min)	160–180 (post exposure switched off)	160–180 (post exposure switched off)
Drying time at 80°C / 176°F (min)	10	10
Post exposure (min)	2	2

Processing Equipment	
Suitable equipment	nyloprint® WA 116 S 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 and varnishes	Suitable for UV and oil based inks and varnishes. Not suitable for water based inks and varnishes.
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.

1) non-standard product 2) 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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