

# nyloprint<sup>®</sup> WA 116 S<sup>1</sup> nyloprint<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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

# nyloprint® WA 116 S<sup>1</sup> | nyloprint® WA 116 S Digital

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	116	116
<b>Technical characteristics</b>		
<b>Base material</b>	aluminium	aluminium
<b>Colour of raw plate</b>	red	red
<b>Total thickness (mm)</b> (inch)	<b>1.16</b> (0.046")	<b>1.16</b> (0.046")
<b>Plate hardness (Shore D)</b>	<b>38</b>	<b>38</b>
<b>Relief depth (mm)</b> (inch)	<b>0.85</b> (0.033")	<b>0.85</b> (0.033")
<b>Tonal range (%)</b> at screen ruling of	<b>3 – 90</b> 60 l/cm (150 lpi)	<b>3 – 90</b> 60 l/cm (150 lpi)
<b>Fine line width (down to µm)</b>	<b>100</b>	<b>100</b>
<b>Isolated dot diameter (down to µm)</b>	<b>400</b>	<b>400</b>
<b>Distortion factor (mm)</b> (inch)	<b>5.4</b> (0.212")	<b>5.4</b> (0.212")

<b>Processing parameters<sup>2</sup></b>		
<b>Exposure (min)</b>	<b>3 – 4</b>	<b>3 – 4</b>
<b>Washout speed Flowline Washer (mm/min)</b>	<b>160 – 180 (post exposure switched off)</b>	<b>160 – 180 (post exposure switched off)</b>
<b>Drying time at 80° C / 176° F (min)</b>	<b>10</b>	<b>10</b>
<b>Post exposure (min)</b>	<b>2</b>	<b>2</b>

<sup>1</sup> non-standard product

<sup>2</sup> 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® 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.

## Please contact us for additional information.

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