

Pad Printing Cliches WS43 – Water washable

Product Features

- **Wide range of applications**
 - Water washable steel based plate for brilliant printing quality
- **Highly printing quality**
 - High print contrast with an exceptional tonal range
 - Brilliant halftone gradations due to very fine halftone dots (< 20µm)
 - Smooth vignettes
 - High resolution - up to 10.160dpi
 - Excellent solid density due to brilliant ink transfer
 - Very good durability for long print runs
 - Reliably and reusable for repeat orders
- **Efficient, consistant and fast plate processing**
 - Wide exposure latitude combined with high intermediate depths
 - Highly productive and cost saving due to plate processing within 25-35min
 - Reduced down times on press due to fast replacement of damaged plates
 - Environment-friendly plate processing with tap water

Technical Parameters

Base Material:	WS43
Colour of raw plate:	Steel
Total plate thickness (mm):	Red
(inch):	0.43
Plate hardness:	(0.017")
Relief depth (mm):	Shore D 89°
(inch):	0.20
Fine line range (down to µm)	(0.008")
Isolated dot diameter (down to µm)	100
Distortion factor (mm):	200
(inch):	2.08
	(0.082")

Processing Parameter¹

Main exposure ² (sec):	WS43
Washout time at 30°C (min):	30-35
Drying time at 60°C (min):	2
Post exposure time (min):	10-15
	8-10

¹⁾ All processing parameters depend on among others the processing equipment, the lamp age and the used washout detergent. The above mentioned processing parameters were determined under optimum conditions on processing equipment for WS43 Cliches. When using other equipment and washout detergent, the processing parameters can differ from these. Therefore, the above mentioned values are only to be used as a guide.

²⁾ Main exposure time must be tested.

Suitable equipment: Exposure units model types UV400, UV600, UV1000, ULTRALUX as well as all identical exposure devices with tubes. Also suitable for flat exposure devices.

Printing inks: Suitable for commonly used pad printing inks (e.g. UV inks, solvent-based inks, 2-K inks and solvent free inks).

Washout medium: For the washout process the developer SIEMAC 4980 is needed.