

## Pad Printing Cliches ST52 – Alcohol washable

### Product Features

- **Wide range of applications**
  - For high quality pad printing, can be also used with closed cup ink systems because of its durability
- **Highly printing quality and print run consistency**
  - Suitable for high resolution films with up to 10.160dpi
  - Very good durability for long print runs due to optimized relief formulation
  - Grid width up to 380lpi (150l/cm)
  - Excellent solid density due to brilliant ink transfer
  - Reliably and reusable for repeat orders
  - Also suitable for pad printing jobs with >20.000 impressions
- **Efficient, consistant and fast plate processing**
  - Wide exposure latitude
  - Highly productive and cost effective due to plate processing within 40-50min

### Technical Parameters

	<b>ST52</b>
Base Material:	Steel
Colour of raw plate:	Red
Total plate thickness (mm):	0.52
(inch):	(0.020")
Plate hardness:	Shore D 90°
Relief depth (mm):	0.20
(inch):	(0.008")
Tonal range (%)	5-95
at screen rulling of	150l/cm (380lpi)

### Processing Parameter<sup>1</sup>

	<b>ST52</b>
Main exposure <sup>2</sup> (min):	2.0-3.0
Washout time (min):	2.0
Washout temperature:	20°C
Drying time at 60°C (min):	15-20
Post exposure time (min):	8-10

<sup>1)</sup> 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 ST52 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.

<sup>2)</sup> 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.