



TECHNICAL DATA SHEET

Product: UNIVERSAL

Date of document:
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A. GENERAL DESCRIPTION

Plate type: positive, conventional of very high sensitivity.
Type of support: aluminium 99, 5 (alloy AA 1050-1052) electro-grained and anodised.
Type of coating: positive, blue/green in colour.
Colour change after exposure: blue/green \Rightarrow blue.
Spectral sensitivity : 370 – 410 nm

B. TECHNICAL APPLICATION CHARACTERISTICS

B1 Exposure

Light Source : tungsten halogen U.V. (370 – 410 nm) 5 KW at 110cm, exposure time 20-25 seconds
Recommended parameters (ref. scale UGRA)
GREY SCALE: step 4
RESOLUTION: 12 μ broken (micro lines)

B2 Developer

Recommended developer: Vela DEVP-1 (ready to use), DEVP-4 or DEVP-9 (concentrates)
Developer temperature: 20 – 24 ° C. Developer conductivity max. 100 mS.
Contact time: 22– 25 sec.

B3 Baking

Apply Hot Gum. Bake for 3 or 4 minutes (maximum) at 240-260 °C..

C. PHYSICAL-STRUCTURAL CHARACTERISTICS

Roughness (Ra): min. 0, 50 μ m, max. 0,65 μ m
Thickness of anodic layer: min. 3,00 gr/m²

D. DIMENSIONAL CHARACTERISTICS

Gauges : mm. 0,15 – 0,20 – 0,30 – 0,40 – 0,50

Tolerance ISO 12635 : 1996 (E)

- thickness:	0,15 mm to 0,20 mm	+ 0,010 mm. - 0,015 mm.
	> 0,20 mm to 0,30 mm	+ 0,010 mm. - 0,025 mm.
	> 0,30 mm to 0,50 mm	+ 0,010 mm. - 0,035 mm

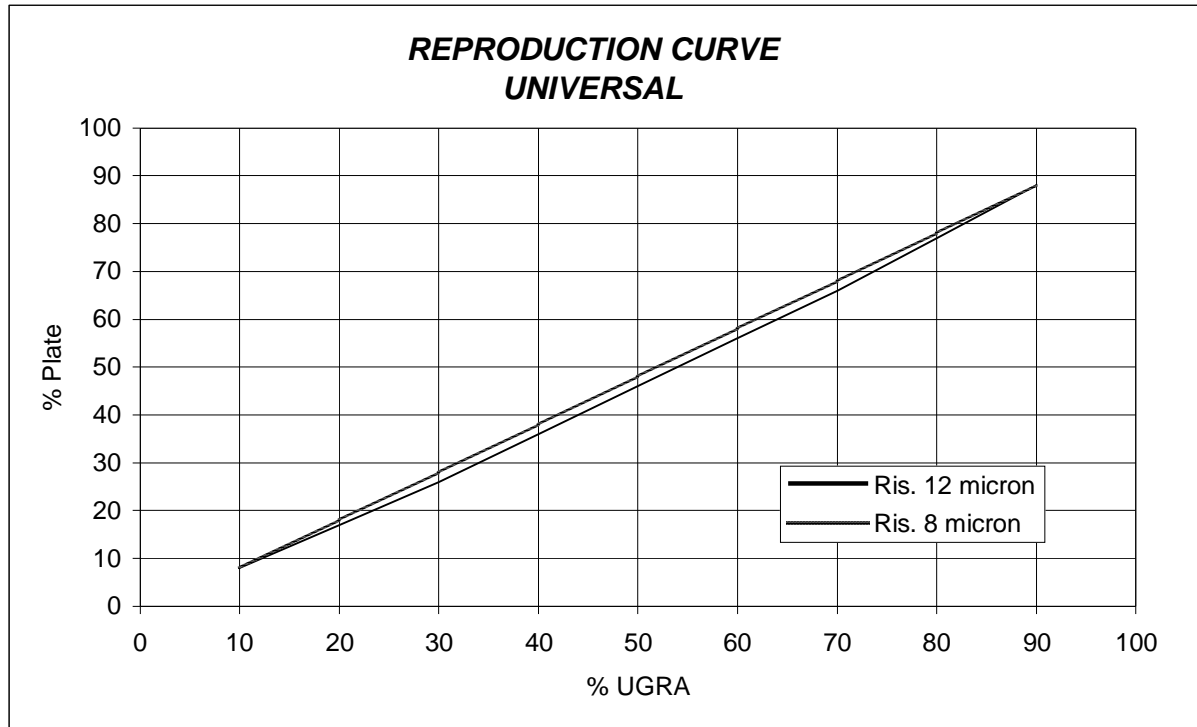
- format : \pm 1,0 mm (per web presses \pm 0,5 mm)

Flatness

Surface waves DIN 1784 : max 0.75%
Waves at edges: max. height 2 mm
Waves at centre: max height. 2,5 mm
Maximum number of waves: 3 x metre

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E. REPRODUCTION CURVE



F. SHELF LIFE AND STORAGE

18-24 months if kept in original packaging, at a temperature of between 15 – 25 °C, in dry conditions. Given their high sensitivity, the plates are particularly sensitive to light and therefore should be stored away from white light.

G. PACKAGING

Plates in quantities which vary according to the format, wrapped in photo-protective paper and packed in cardboard cartons.

The weight of the pack varies according to the format and the gauge: max 30 kg.

H. IDENTIFICATION

The label applied to each pack carries the following information :

- a) Production lot number
- b) Quantity
- c) Gauge
- d) Format
- e) Perforation if requested
- f) Type of plate