

ORIGINAL BUNGARD PRESENSITIZED BOARD

The name ORIGINAL BUNGARD stands for highest quality and processing safety of presensitized laminates. Like no other comparable product, this material allows a fast, flexible and faultless production of PCBs in small series and prototypes.

We use first-choice laminates approved and certified by IPC 4101A. Several types of laminates, i.e. FR2, CEM1, FR4 and PTFE are available in thicknesses of 0.5, 0.8, 1.0, 1.6, 2.0 and 2.5 mm with either 18, 35 or 70 microns Copper. The max. panel size is 510 x 1150 mm. Our cutting service provides sheets down to 50x50 mm min. size, with an accuracy of 0.1 mm.

Photoresist

We coat the boards with a special positive working liquid resist made after our own recipe. The resist features highest exposure sensitivity, short processing times and large safety tolerances. The equal and dust-free coating has a defined thickness of 5 μ m. The maximum spectral response is in the range of 400 nm. The line resolution is limited only by the type of exposure unit. Typical exposure times are 120 seconds on our Hellas unit. The resist allows multiple exposure.

Referring to our special developer, at 20 °C the developing time is less than 45 seconds. On the other hand, the resist is absolutely stable for more than 5 minutes in the developer. It is resistant to acid etching or galvanic chemicals and even permits alkaline etching at a pH less than 9.5.

The boards are protected against mechanical damage and unwanted exposure by a special, blue coloured adhesive film. Due to this protection, no flitters appear when cutting or milling the boards.

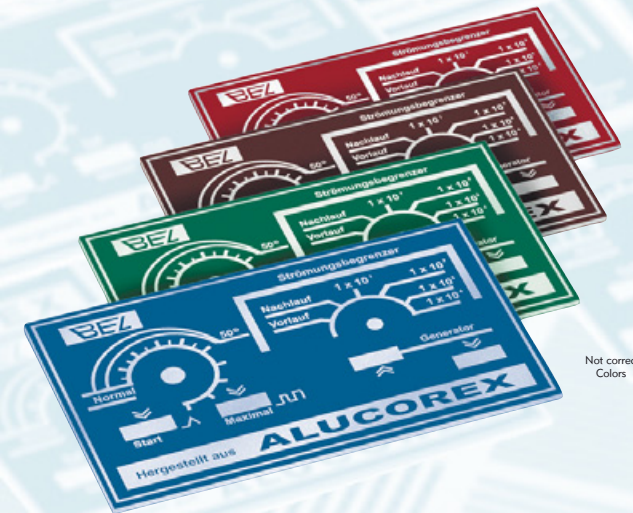
Each board is subject to chemical and physical controls and tests before and after coating.

A shelf life of more than 1 year under normal storage conditions is guaranteed.

ALUCOREX PRESENSITIZED ALUMINIUM

Presensitized, anodized aluminium for front panels, scales, labels and pad printing clichés.

- Available colours of anodization: black, blue, red. Clichés are green.
- Black coloured boards are available either in brilliant or mat surface.
- All boards except clichés are double sided.
- 1 year shelf live warranty.
- Easy to use.
- Detailed instructions included.
- Cutting service provides sheets down to 50 x 50 mm min. size, with an accuracy of 0.1 mm.



Not correct
Colors

SMD STENCILS FOR SOLDER PASTE APPLICATION

In SMT technology, the question of how to apply the solder paste is gaining more and more importance.

As far as screen printing is concerned, one has to mention the efforts for the preparation and maintenance of the screen as well as the questions of its wear out and of the achieved thickness of the paste.

We think that a tendency away from screen printing and towards printing by stencils comes into view.

The reasons for this change seem to be obvious. To state only some of a stencils' advantages, one had to mention the uniformity of the print, the thickness of the transferred paste and the higher durability. But up to now there was one principal problem with stencils: They were not easily available.

From now on, there is a quick, cheap and easy way how to make your metal stencils on your own. We offer both positive or negative presensitized brass stencils in almost any desired dimension and in different thicknesses and hardnesses.

Being coated with a chemically resistant photoresist of high line resolution and steepness, these templates offer you all the advantages already known from our presensitized PCB boards.