Original Bungard

Presensitized Boards

Instructions for Use

by a change in colour from green to blue.A good contact between a well

The exposed areas will contrast with the unexposed parts of the board

opaque artwork and the board assumed, over exposure will not debase the result. On the contrary, under exposure will lead to insufficient development results.

At development time, an insufficient exposure will be indicated by a significant change to a reddish colour. When using the boards for the first time, test exposures are strongly recommended.

Development

Please respect the security information given below.

Dissolve one bag of developer in one litre of water (20 °C). Stir thoroughly. The fresh developer solution may be stored in an air-tight receptacle. One litre is sufficient for about 0.5 m² of boards.

Fill a tray with fresh developer and immerse the board. The development process should be assisted by slight up and down movements of the board. Please pay attention not to scratch the photoresist.

Sufficient exposure assumed, a complete development is achieved in about 45 seconds, resulting in a clean copper surface.



With ORIGINAL BUNGARD presensitized boards you have chosen true quality. The following processing instructions shall help you to take maximum advantage from this quality and to obtain the best possible results.

Exposure

The panels should be processed under yellow illumination or under subdued daylight. All exposure units with sufficient UV light emission are suitable.

The exposure time depends on the type of UV source as well as on its power and distance to the board. With our exposure unit HELLAS or with a Mercury Vapour lamp of 2 kW, distance 1 m, the required time is about 90 seconds.

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Security

When handling chemicals, always wear rubber gloves and eye protection. Our developer is alkaline based and thus aggressive and harmful when swallowed. In the latter case, a physician should be contacted immediately, referring to a 1 % solution of an sodium hydroxide in water. Security data sheets and discharging advises for all chemicals of our programme are available on demand.

Fault analysis

Problems with ORIGINAL BUNGARD boards are quite unlikely. If a problem occurs it is most likely due to insufficient exposure.

We guarantee a shelf life of more than a year under normal ambient conditions. A label on the board or the packing indicates the best before date.

You should though not hesitate to contact us if you encounter any difficulties. We will help you as fast and extensive as possible.

This information was put together with care. Nevertheless, any liability for consequential or indirect damages resulting from these instructions must be denied. Technical data are subject to change without notice.

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The photoresist is stable for more than 5 minutes in the developer,. Thus, over development is not likely to cause damages to the board.

A good rinse under flowing tap water is necessary after development. To prevent scratches, the boards should not be dried before etching.

Etching

All common acid etching media may be used. If alkaline based or recycling etching media are to be used, please contact your supplier for special details.

Finishing

The photoresist may be let on the board to prevent the copper oxidizing. If the board is to be tinned, the photoresist should be removed using acetone, alcohol or an alkaline stripper.