

ISO 9001:2008
ISO 14001:2004

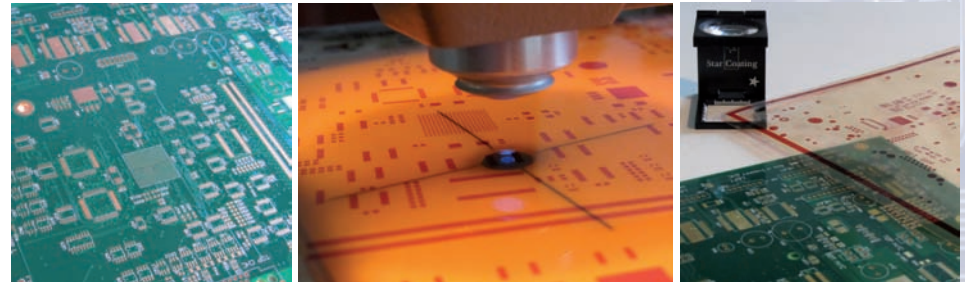


Star Coating®

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Star Coating®



Star Coating® Diazo Phototool Film DPF

Duplicating film for
exposing printed circuit boards

HIGH PRECISION TOOL

The Company

SIHL AG started in the year 1945 as the famous producer of drafting papers and films and is now one of the leading manufacturer of coated papers, films, speciality substrates for digital print signs, advertising and trade-show graphics and fine-art reproductions.

SIHL Group of Companies also started in 1972 to produce Diazo Papers for blue prints and engineering documents.

In 2012 SIHL AG acquired STAR COATING AG, one of the leading manufacturers of light sensitive phototooling films for the exposure of Printed Circuit Boards. The Diazo PCB films will be continued to be marketed under the same brand name **Star Coating® DPF**. From our Headquarters in Bern (Switzerland) we will continue to serve our global customer base.

Manufacture of Diazo Phototooling Products is performed within a controlled and advanced technical environment and certified under the ISO 9001:2000 and ISO 14001:2004 by SQS and results in **no conflict** with the China RoHS Directive (SJ/T 11363-2006). The highest quality standards are assured.

Our on-site R & D team is working constantly to provide and maintain the best solutions to meet our customers needs. Technical and after-sales support is provided by dedicated technical customer service representatives.

Star Coating® DPF Diazo Phototool Films

The high precision duplicating film for exposing Printed Circuit Boards



DPF C (clear)
Cristal clear amber. High contrast.
Slight pigmented surface for antiblocking. Optimized for high resolution applications.



DPF SM (semi-matt)
Semi-matt, amber. High contrast.
Pigmented surface for anti-blocking.
Optimised for rapid vacuum build-up and highest level of runability.

Star Coating® DPF Diazo Phototool Film

Product- and Technical Information

- High UV-Density of the amber area (D-max) >4.7*
- Excellent transparency at exposed clear areas (D-min) <0.15*
- Strong resistance to chemical and mechanical damage
- High resolution
- Perfect dimensional stability
- Permanently antistatic
- Pre-conditioned, PH-balanced Interleaving Paper

*Typical density values following processing (see below).
Measured using X-Rite 369T

Processing

Preparation: Allow films to adjust to the ambient conditions (room temperature and humidity) of the processing location for at least 24 hours. Avoid exposure to UV-light. Avoid exposure to chemical vapors, particularly Ammonia. This may cause pre-coupling (unwanted ageing).

Exposure: Optimal exposure time is equipment specific. A „Stouffer “21-step wedge is recommended to determine the correct exposure time. Step 1 and 2 must be clear.

Developing: Develop Star Coating® DPF with a Diazo developing unit. Best results may require repeated passes. After developing, allow film to re-equilibrate for at least one hour.

Packaging/Storage

Films are packed in sealed light-proof bags.
Store films in a conditioned environment at 15 to 20°C.
Reseal bags after use.
Guaranteed shelf life under specified conditions is 12 months from date of production.

**For Safety and Best Results consult our
“Instructions for use Diazo Phototool film”**