

who can improve yields with
our PCB inks and resists?

you can.

working for you.

SunChemical®

a member of the DIC group



Sun Chemical Delivers Global Quality and Innovation for Printed Circuit Boards



A member of the global DIC Group, Sun Chemical is the world's largest supplier of printing inks, pigments and advanced materials which has been a major supplier of inks and resists to the printed circuit board industry for over 50 years.

With offices worldwide, Sun Chemical is truly a global supplier to the PCB manufacturing industry. In addition to our head offices in the UK and USA, Sun Chemical has main offices in Germany, Italy and China to support you with a global network of established, experienced and knowledgeable distributors and agents.

Utilizing our comprehensive R&D facilities in Europe and Japan, we work closely with PCB manufacturers and OEMs to ensure our products continue to meet the needs of today and tomorrow. Sun Chemical's unmatched experience and expertise can help you develop:

- LPI Soldermasks
- Temporary Peelable Masks
- Marking / Legend Inks
- Etch / Plating Resists

Imagecure Soldermasks

Our range of Imagecure soldermasks ensure the production of high-quality, high-performance products which meet and exceed the standards for reliable PCB manufacturing.

Process	Finish	Colour							LF HASL	ENIG	Imm Tin	RoHS & WEEE	HF
Screen	G, SM, M, XM								Y	Y	Y	Y	Y
Curtain Coat	G, SM, M				X	X	X	X	Y	Y	Y		Y
Spray	G, SM, M, XM								Y	Y	Y	Y	Y

Product	Description	Typical Applications
Imagecure	LPI Soldermask	Rigid PCB. Meets or exceeds IPC and other industry standards
Imagecure Automotive	LPI Soldermask	Automotive PCB. High performance soldermask. Meets many OEM specifications for TCT, Thermal Storage, low ionics etc.
Imagecure DI	LPI Soldermask	Fast exposing ($\leq 120\text{mJ}$), high resolution ($\leq 30\mu$) soldermask for use with Direct Imaging exposure units
Imagecure LED	LPI Soldermask	High reflective, colour stable white soldermask for LED lighting applications

Imagecure Soldermask

Imagecure from Sun Chemical is the #1 most-used soldermask in Europe. All Imagecure products are RoHS and WEEE compliant

Versatile Processing

Available in versions for screen print, curtain coat and spray applications, Imagecure offers a flexible process with consistent results. Imagecure comes in a comprehensive range of colours which includes HF (halogen-free) versions.

Advanced Technology

Approved by many globally-recognised OEMs, there are versions suitable for a wide range of end-user technologies, including automotive, medical, aerospace and telecoms to name a few.

Technology

Imagecure

50µ solder dam capability

0.2mm hole clearance

Wide process window

Imagecure for Automotive

50µ solder dam capability

0.2mm hole clearance

Wide process window

Passes major oem testing for tct, thermal storage, e-corrosion

Low ionics

Imagecure for DI

30µ solder dam capability

≤120mJ exposure energy (equipment dependant)

0.2mm hole clearance

Wide process window

Halogen-Free

Halogen-Free (HF) versions available in all colours

Bromine free

<400ppm total halogen content

An Experienced, Committed Partner

Speak to your local Sun Chemical representative to find out how you can benefit from our advanced technology, ongoing development programs and our many years of experience and expertise in the manufacturing and processing of inks for PCBs.

Process

Versions available for all common process applications

Screen print

Curtain coat

Spray (es and hvp)

Colours

Wide colour range available

Screen print Green, dk green, hf green, blue, black, red, yellow, white

Curtain coat Green, dk green, hf green

Spray Green, dk green, hf green, blue, black, red, yellow, white

Final Finishes

Imagecure gives excellent resistance to all final finishes

ENIG / ENIG

Immersion tin

Pb-free hasl

Immersion silver

OSP

EPR5000 Peelable Mask

EPR5000 Peelable Mask from Sun Chemical utilises the most up-to-date chemistry to meet the stringent health and safety requirements of this type of material.

Advanced Formulation

EPR5000 Peelable Mask is specifically formulated to meet the requirements for high-temperature application processes. It can also be used as a temporary mask in commonly used plating chemistry.

Improved Performance

EPR5000 has excellent adhesion properties and is easy to remove even after high-temperature applications. With a stable viscosity at storage temperatures up to 40°C, EPR5000 provides ease of application.

Colour Range

EPR5000 is available in green, blue and red.

An Experienced, Committed Partner

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EPR5000 Peelable Mask

improved peeling / removal of mask

excellent adhesion

suitable for lead-free soldering processes

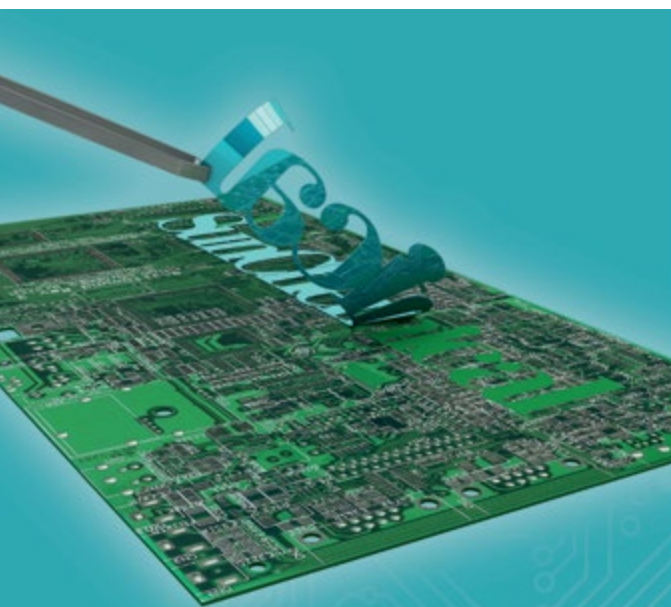
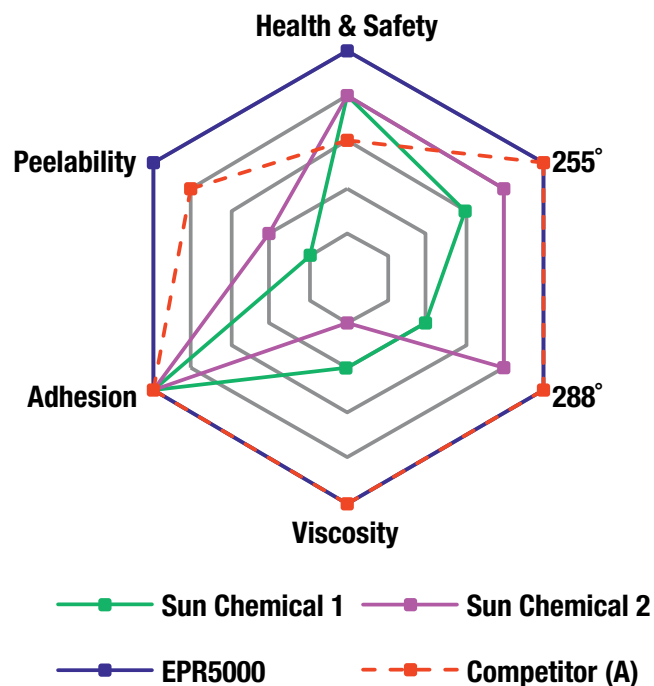
can be used as a plating resist with ENIG & Sn

green, red and blue versions available

viscosity stable at up to 40° storage temperatures

4.0mm hole tenting capability

100% solids





A partner who transforms with you.

Today's environment requires more than change. It demands transformation — and a partner who's willing to transform with you. Sun Chemical, a member of the DIC group, is a leading producer of printing inks, coatings and supplies, pigments, polymers, liquid compounds, solid compounds, and application materials. Together with DIC, Sun Chemical has over 20,000 employees located at 176 subsidiaries across 63 countries working every day to meet the needs of customers by improving performance on the essentials of business, such as reliable, on-time delivery and consistent product quality. Sun Chemical tailors solutions to unique customer needs and brings new ideas and the latest technology to market. As you move forward into a world of stiffer competition, faster turnarounds, more complex demands and sustainable products, count on Sun Chemical to be your partner.

working for you.

www.sunchemical.com

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Color & Comfort