

PRODUCT INFORMATION



© 10/2025 Christian Koenen GmbH

CK NANOVATE™ NICKEL

Outstanding Material Properties

New, innovative stencil materials are essential when it comes to keeping up with miniaturization from a manufacturing engineering perspective. Over the past few years, more and more research and development has focused on stencil materials, with nickel coming out as a promising option. CK Nanovate™ Nickel is a proven product in the field of aeronautics.

Extensive tests were first carried out in our Application Center. A number of customers are now already using the material and ongoing test phases are producing

excellent results. Above all, finer grain sizes and enhanced laser cutting behavior make for excellent paste-release properties, leading to higher yields and lower costs. Sharper cutting edges on the PCB side result in far better sealing of the print deposits. Stencil life is significantly prolonged due to improved hardness and ductility, while uneven boards do not risk bending the stencil. Ideally suited to specialist applications, the new high-tech stencil material CK Nanovate™ Nickel makes an excellent addition to our existing product portfolio.

CK NANOVATE™ NICKEL OFFERS THE FOLLOWING ADVANTAGES

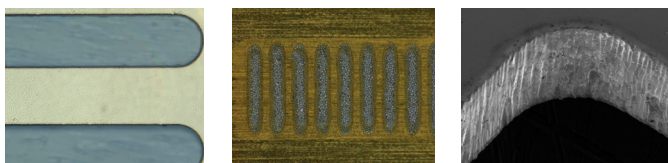
Improved paste-release properties thanks to finer grain sizes and enhanced laser-cutting behavior

Better printing deposit sealing properties as a result of sharper cutting edges on the PCB side

Enhanced self-cleaning effect due to the extremely smooth surface achieved by the fine grain size

Longer operating time thanks to improved hardness and ductility

No imprinting of the PCB design even with a very high number of printing cycles



QPF print deposits
with 0.3 mm pitch
at a stencil thickness
of 150µm

Christian Koenen GmbH
Otto-Hahn-Straße 24
Ottobrunn-Riemerling
85521 Germany

Phone: +49 89 6656 18-0
Fax: +49 89 6656 18-330
Mail: info@ck.de
Web: www.ck.de

Competence. Quality. Reliability.