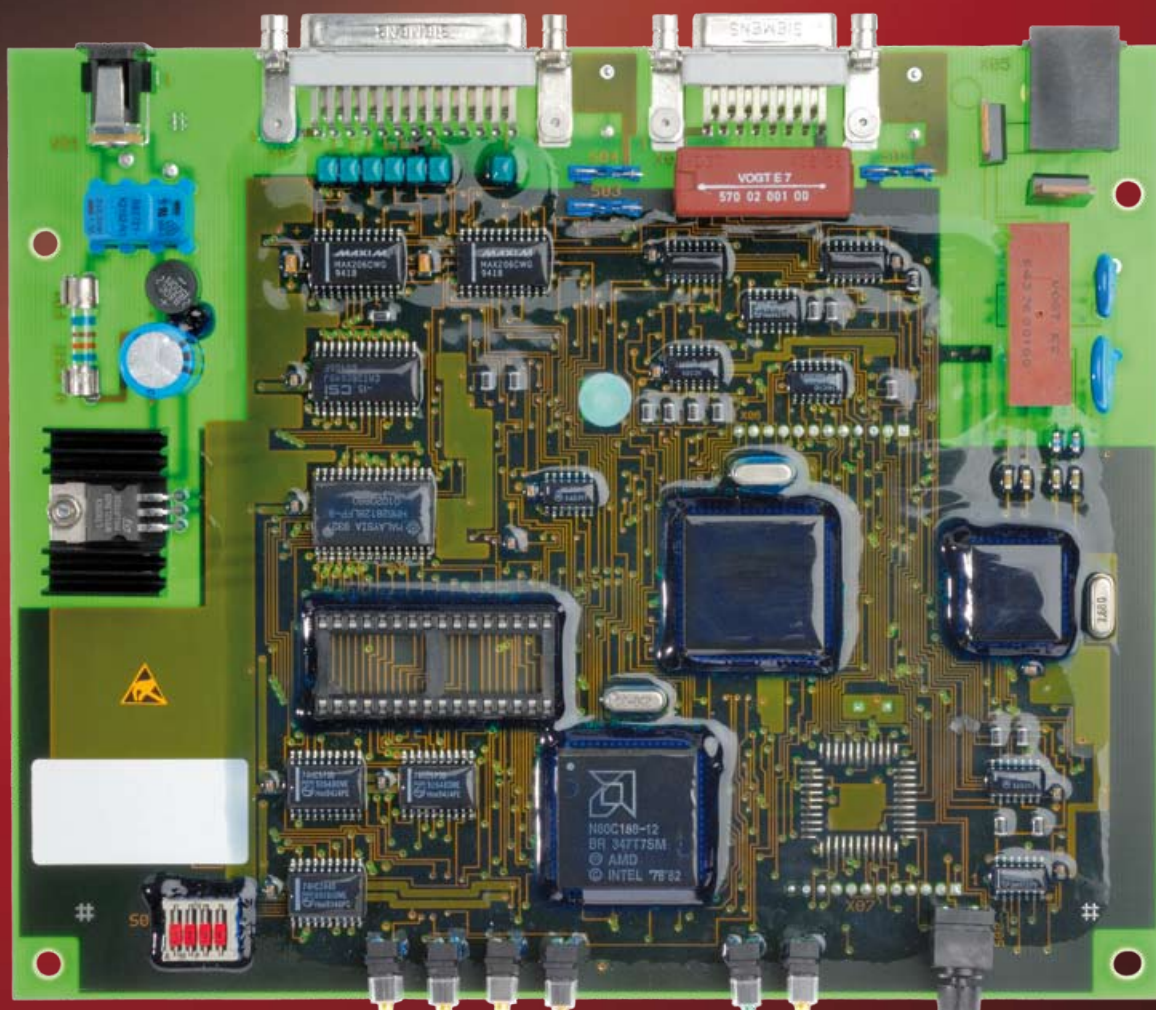




WERNER WIRTH
SYSTEMS



Thick film

Moisture cross-linking
and UV curing thick film varnishes



Thick film coatings

Moisture cross-linking and UV curing

The thick film varnishes from the BECTRON® PT series are one-component, moisture cross-linking materials on a polyurethane base. Thanks to high edge sealing, the PT series offers excellent dielectric properties even under extreme exposure to moisture. Due to their low viscosities, the materials can be processed safely using all standard application methods.

The BECTRON® PT 48xx product range has a very low VOC value. The cured material exhibits outstanding temperature cycle behaviour within a range of -50°C to +120°C and high resistance to shocks and vibrations. It exhibits excellent adhesive properties on a large number of substrates.

The product range allows coatings that have high resistance to solvents and acid and alkaline solutions. Even in the case of storage under extremely wet conditions, they guarantee excellent protection against moisture and corrosion.

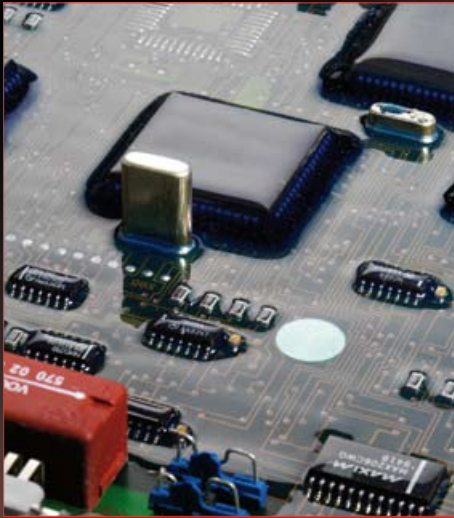
Three different degrees of viscosity, from 1500 mPas to thixotropic viscosity, mean that they can be used in a wide range of applications. The coatings with low-viscosity can also be used as adhesives, e.g. for securing components.

BECTRON® products from the PT 48xx series cure at room temperature within as little as one hour. Further processing is possible after 14 hours. The curing process can be shortened by heat and moisture.

Products from the BECTRON® PT 46xx series are solvent-free and thus also VOC-free. The one-component polyurethane-based thick film varnishes cure under ultraviolet light and/or through moisture cross-linking. The degree of UV curing is indicated during the process control by the change in colour from blue to a green-yellow colour.

Under ultraviolet light curing takes place within 30 seconds. Moisture cross-linking takes 2-3 days; this curing process can be shortened, however, by applying heat and moisture.

The cured material exhibits very good temperature cycle behaviour within a range of -40°C to +120°C and very good adhesion to most substrates. It can also be used as an adhesive for components.



Werner Wirth Systems GmbH
Hellgrundweg 111
22525 Hamburg
Germany

Tel +49 (0)40 878 86 89-0
Fax +49 (0)40 878 86 89-26

systems@wernerwirth.de
www.ww-systems.de