

KEOL**EPOXY ADHESIVE****K-POXY 4031**

4031 adhesive from the K-POXY range is a one-component electrically conductive ink. **4031 adhesive from the K-POXY range** is a silver filled polymer system that exhibits exceptional adhesion to a variety of substrates, such as kapton, mylar, glass, polyester, ceramic, etc. This thick film ink offers excellent conductivity for many electronic applications. It is printable in screen printing and sprayable.

- FLEXIBLE
- LOW ELECTRICAL RESISTANCE
- LOW VISCOSITY
- EXCELLENT ADHESION

| | |
|----------------|-------------|
| CHEMICAL BASIS | Epoxy |
| REACTION TIME | 20 - 30 min |
| COLOR | Money |
| HARDNESS | - |
| VISCOSITY | 9000 cps |

| PROPERTIES | K-POXY 4031 |
|---|---|
| Color | Money |
| Appearance | Liquid |
| Viscosity (25 ° C) cps | 9000 |
| Density (25 ° C) | 2.2 |
| Tensile strength Mpa | - |
| Break point ° C / F ° | 99/211 |
| Electrical resistivity, ohms-cm | .0002 |
| Operating temperature / ° C | -20 to +140 |
| Positioning time (second) | - |
| Hardness (Shore) | - |
| Positioning energy (mj/ cm ²) | - |
| Curing time (25 ° C) (minutes) | 20 to 30 |
| The duration of the conversation | 6 months |
| Storage temperature | Between 18 ° and 25 ° |
| Applications | Flexible Circuits / Polymer Thick Film Circuits / EMI / RFI Shielding |

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EPOXY ADHESIVE



SURFACE PREPARATION

glued surfaces should be cleaned with a good degreaser to remove all traces of dust, dirt, oil or grease.

The pretreatment of thermoplastic materials such as PVC, polycarbonate, polypropylene, PMMA, etc., can be made using a light blend of ethers or isopropanol. Strong solvents are not recommended as they may damage plastic surfaces.

For any other surface, acetone or trichlorethylene can be used for pretreatment. Never use petroleum or any other solvent.

When possible, perform mechanical abrasion to remove paint from surfaces (if necessary) and to increase adhesive strength and retention. Allow the pretreated surface to dry before applying the adhesive.



APPLICATION OF THE PRODUCT

1. All surfaces to be coated or glued must be perfectly clean and free from grease.
2. Since some silver sedimentation may occur during storage, D-Mix each container before use.
3. Apply to a 230-325 mesh polyester or stainless steel screen printing screen. **K-POXY 4031** can also be sprayed or dispensed using syringes.
4. Curing according to one of the following curing programs:
 - A. 25 ° C (77 ° F) 20-30 minutes
 - B. 225 ° F (107 ° C) 8-10 Minutes
 1. Cover Area
 - A. 720 / gal / mil (7.10 m²/ kg)



NOTE

The information, and particularly the recommendations regarding the application and the KEOL products, are given to you in good faith and are based on current knowledge and experience of the products having been properly stored, handled and applied under normal conditions.

KEOL cannot take responsibility for the results obtained by others since we have no control over their method.

It is up to the user to determine the suitability of the products for the specific application for any method. production costs mentioned in this document. Also, it is up to the user to adopt the necessary precautions as recommended for the protection of the establishment and the people against any kind of risks which could arise during the handling and the use of the products.

KEOL cannot assume all the guarantees mentioned or implied, including guarantees of market value. or compliance for a specific reason, arising from sales or use of KEOL products. KEOL cannot assume liability for incidental consequences or damages of any kind, including lost profits.

Users should always refer to the most recent edition of the technical data sheet for the product concerned. Copies of this document will be provided upon request.