Elan-glue®

Adhesives for stable and secure connections

Worldwide locations

ELANTAS GmbH
Wesel – Germany

ELANTAS Europe GmbH
Manchester – United Kingdom

ELANTAS Europe S.r.L.
Ascoli Piceno, Collecchio, Quattordio – Italy

ELANTAS PDG, Inc.
St. Louis – U.S.A.

ELANTAS Industries
Brasil e Turquia – Brazil

ELANTAS Beck India, Ltd.
Ambala, Haryana – India

ELANTAS Zhuhai Co., Ltd.
Zhuhai – P.R. China

ELANTAS Tongling Co., Ltd.
Tongling – P.R. China

ELANTAS Malaysia Sdn. Bhd.
Kuala Lumpur, Malaysia

ADHESIVE MATRIX FOR SEVERAL SURFACES

Quartzglass
Quartzglass
AlMgSi05/F22
AlCuMg1
Quartzglass
AlCuMg1
AlMgSi05/F22
FR4
AlMgSi05/F22
PA66 GF30
AlMgSi05/F22
PET
AlMgSi05/F22
PP
AlMgSi05/F22
PBT GF20
AlMgSi05/F22
PC
AlMgSi05/F22

Elan-glue®

AC 1611
AC 1631
EP 5310
EP 5311
EP 5320
EP 5321
EP 5331
EP 5332
EP 5340
EP 5341
EP 5610
EP 5611
Elan-glue® adhesives are developed in close cooperation with the customer. In this way, products tailored for individual requirements can be made.

The materials, based on polyurethane, acrylic, epoxy and silicone, are universally applicable and create stable and secure connections bonding for plastics, metals, glass and composite materials. Elan-glue® adhesives are also available in solvent-free design, so that no volatile organic compounds (VOC) are released.

The product range covers thermosetting adhesives with very good temperature resistance, as well as high long-time strength to withstand even large impacts. In addition, a wide range of UV-curing materials, which ensure a very fast hardening, is available. Further processing is then immediately possible.

The one-component-glue Elan-glue® adhesives are easy and reliably to apply with standard 1K-dosing devices. Through reliable manufacturing processes they are perfectly suited for series production. The adhesives can be applied accurately with short cycle times, so that the efficiency in the automated manufacturing process can be greatly increased.

In addition, the electrical insulating properties are excellent and feature a very good adhesion to the materials commonly used in industry and electronics manufacturing, such as copper, FR4, quartz, aluminum, PC, PE, PP, PA and PEI.

Elan-glue® Adhesives

Industrial Applications

Elan-glue® Adhesives

Elan-glue® Adhesives for Industrial and Electronic Application

ADHESIVES FOR INDUSTRIAL AND ELECTRONIC APPLICATION

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<th>Tg [°C]</th>
<th>Density [g/cm³]</th>
<th>Curing Conditions</th>
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<tr>
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<td>1k UV-cure</td>
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<td>0.2-0.5</td>
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<td>AC 1641</td>
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<tr>
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<td>210-250</td>
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<td>AC 4510</td>
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<td>-20…100</td>
<td>16</td>
<td>1.1</td>
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<tr>
<td>AC 4822</td>
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<td>1.1</td>
<td>45-55</td>
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<tr>
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<td>Sealing</td>
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<td>EP 5611</td>
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<td>EP 5320</td>
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<td>1k-100°C</td>
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<td>Surface Mount</td>
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<td>120</td>
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<td>EP 5350</td>
<td>Thermal cure</td>
<td>1k-100°C</td>
<td>150</td>
<td>1.3</td>
<td>150°C</td>
<td>metal/arcules, flexible fixing of condensators</td>
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<td>EP 5610</td>
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<td>1.2</td>
<td>150°C</td>
<td>gel/solid/strain; glassy/glue, UV-curable adhesives and glass</td>
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Elan-glue® Adhesives for Electronic Applications

UV-Curing Materials

<table>
<thead>
<tr>
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<tbody>
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<td>Constructional Rubbers/Plastics</td>
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