Application examples

High-strength bonding at thermal stress
For example bonding of:
- highly stressed carbide inserts, hardened guide rail strips at machines, robot gripper constructions, electrical machines,
- fiber composite sandwich panels

DELO-DUOPOX AB8390
DELO-DUOPOX AD840
DELO-DUOPOX AD895
DELO-DUOPOX SJ8665
DELO-PUR 9692

High-strength bonding with fast initial strength
For example bonding of:
- plastic to metal, garnish moldings resp. front spoilers of cars

DELO-PUR 9692
DELO-PUR 9694

High-strength bonding in very short periods of time
- DELO-DUOPOX 02 rapid
- DELO-DUOPOX 03 rapid
- DELO-DUOPOX 03 rapid thix
- DELO-PUR 9692

High run resistance
- DELO-DUOPOX AB8390
- DELO-DUOPOX AD897
- DELO-DUOPOX SJ8665
- DELO-PUR 9692
- DELO-PUR 9694
- DELO-PUR 9895
- DELO-PUR SJ9356

Good tension-equalizing behavior
- DELO-DUOPOX CR8021
- DELO-DUOPOX AD840
- DELO-PUR 9691
- DELO-PUR 9694
- DELO-PUR 9895
- DELO-PUR SJ9356

Impregnating / soaking / laminating
For example of porous materials such as cast, fabric and glass fibers, of windings
- DELO-DUOPOX CR8014
- DELO-DUOPOX CR8021
- DELO-DUOPOX CR8031

Sealing and casting of electrical components
- DELO-DUOPOX CR8014
  especially for narrow gaps, tension-equalizing, flexible
- DELO-DUOPOX CR8021
  tough-hard
- DELO-PUR 9691
  tension-equalizing, fast initial strength
### Two-component adhesives

#### Product group
- fast curing
- design/tension-equalizing
- high shear
- high temperature
- good handleability
- good brightness

#### Product code

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02</td>
<td>rapid flow adhesive for assembly and bonding</td>
</tr>
<tr>
<td>03</td>
<td>rapid flow adhesive for construction and bonding</td>
</tr>
<tr>
<td>CRB14</td>
<td>two-component polyurethane adhesives for assembly and bonding</td>
</tr>
<tr>
<td>CRB101</td>
<td>one-component polyurethane adhesives for assembly and bonding</td>
</tr>
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<td>CRB102</td>
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<td>CB1045</td>
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<tr>
<td>CB1106</td>
<td>one-component polyurethane adhesives for adhesive bonding</td>
</tr>
</tbody>
</table>

#### Epoxy resins
- DELO-XPRESS 902
- DELO-XPRESS 903
- DELO-XPRESS 905
- DELO-XPRESS 907

#### Polyurethanes
- DELO-DUOPOX
- DELO-PUR

### Properties and advantages of all products

- short gel time
- short curing time
- well balanced mechanical properties
- good adhesion to metals and non-metallic materials
- good print-through for marking systems

### Use

- DELO-DUOPOX and DELO-PUR products are used for high strength bonding of components which are extremely stressed to some extent. These products are constructional elements.

### Technical Data Sheets

- DELO-DUOPOX and DELO-PUR products must be mixed according to the ratio indicated until the mixture is homogeneous and streak-free. Using the products marked as “AUTOMIX”, the task is performed by the practical DELO-AUTOMIX mixing and dispensing system.

### Further information

- More type-specific properties are included in the Technical Data Sheets.

---

**Product description**

DELO-DUOPOX are two-component epoxy resin and DELO-PUR are two-component polyurethane curing at room temperature (r.t.) after mixing the two components in the ratio indicated. The DELO-DUOPOX products can be applied to double component cartridges with a static mixing tube like one-component products. The DELO-PUR supplies suitable rigid mixing tubes that DELO also uses in internal development and testing.

The “mixing tube B 000 short” is only conditionally suitable for fast curing. Therefore, the DELO-DUOPOX products are used for high strength bonding of components which are extremely stressed to some extent. These products are constructional elements.

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