Our solvent-based adhesives are used mainly for tough bonds under stress. ZELUKLEBER tackles the many and varied tasks involved in the lamination and foam processing industries, e.g. manufacturing of mattresses and upholstered furniture. ZELUFLEX is ideally used for bonding rigid carrier materials like wood, for example for assembling office chairs but also foldbacks on interior components in the car industry. This is also where ZELUGEN comes into its own: this adhesive is suitable for interior bonding applications like textiles, PVC film and PVC foam film or carpets with carrier materials such as PC blanks, PC/ABS or ABS/PP – also in deep drawing.

Composition
Our ZELUKLEBER, ZELUFLEX and ZELUGEN adhesives are based on styrene butadiene rubber, polychloroprene rubber or thermoplastic polyurethane which are dissolved in organic solvents.

Processing
With ZELU solvent-based adhesives, the polymer is dissolved in organic solvents and applied in this form: for example using a spray gun, ring line or any standard pump. The adhesive sets as the solvent evaporates.

Properties and benefits
- Dissolved in toluene-free organic solvents
- Application on one or both sides depending on the type of bond
- Varying processing times – from a few seconds to 30 minutes
- Can be reactivated (ZELUFLEX and ZELUGEN)
- Easy to spray
- Application by spray gun, ring line or any standard pump

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>Solids content in %</th>
<th>Viscosity [mPa.s]</th>
<th>Wet life at RT [min.]</th>
<th>Processing</th>
<th>Reactivatability</th>
<th>Plasticiser resistance</th>
<th>Thermal stability</th>
<th>Field of application</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZELUKLEBER on SBS/SIS basis</td>
<td>40 to 75</td>
<td>100 to 5,000</td>
<td>Instant to 30</td>
<td>Double-sided and/or one-sided</td>
<td>No</td>
<td>Limited</td>
<td>Good</td>
<td>Upholstered furniture and foam-processing industry</td>
</tr>
<tr>
<td>ZELUFLEX on CR basis</td>
<td>20 to 25</td>
<td>250 to 2,500</td>
<td>2 to 30</td>
<td>As contact adhesive double-sided</td>
<td>Yes</td>
<td>Yes</td>
<td>Very good</td>
<td>Seating, interior paneling in cars and commercial vehicles</td>
</tr>
<tr>
<td>ZELUGEN on TPU basis</td>
<td>18 to 25</td>
<td>500 to 6,000</td>
<td>Instant to 10</td>
<td>Double-sided or one-sided (activation)</td>
<td>Yes</td>
<td>Yes</td>
<td>Very good</td>
<td>Interior paneling in cars and commercial vehicles</td>
</tr>
</tbody>
</table>

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