TECHNICAL INFORMATION ergo.® 7430
consists out of resin ergo.® 7428 and hardener ergo.® 7429

Base: two-component-epoxy-resin

Curing: at room temperature.
accelerating possible by temperature increase

Application: Universal, high strength product with excellent adhesion to metals.
May be used also for other materials like glass, ceramic and hard plastics.

Use: Both components must be mixed in advance. The best mixture ratio is 1:1
Using the double-cartridge system with static mixture tube is very easy and
avoids failures. The surfaces must be clean, which means, dry and free of dust
and grease. For this reason it is recommended to use either the ergo.® Cleaner
9190 (for metal) or the ergo.® Cleaner 9195 (for plastics)

Mixture ratio resin : hardener, by weight
100 : 94,4
resin : hardener, by volume
1 : 1

Colour resin, hardener, mixture
white, black, grey

Viscosity of the mixed product
pasty

Density of the mixed product at 23°C
1,3 g/cm³

Thermal range
-60°C bis +100°C
shortly up to +140°C

Potlife
10,3 g resin + 9,7g hardener at 23°C
40 – 50 minutes

Glass transition point
Curing: 16 hours at 40°C
56 °C

Shore D - hardness
Curing: 16 hours at 40°C
70 – 75

Fixture time (> 1 N/mm²) at 23°C
4 hours

Functional strength (> 10 N/mm²) at 23°C
8 hours

Final strength at 23°C
3 – 4 days
**Tensile shear strength** acc. to EN 1465, metals sandblasted

Curing: 16 hours at 40°C, tested at 23°C

<table>
<thead>
<tr>
<th>Material</th>
<th>Tensile Shear Strength (N/mm²)</th>
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</thead>
<tbody>
<tr>
<td>Steel</td>
<td>~ 30 N/mm²</td>
</tr>
<tr>
<td>Stainless steel</td>
<td>~ 26 N/mm²</td>
</tr>
<tr>
<td>Aluminium</td>
<td>~ 23 N/mm²</td>
</tr>
<tr>
<td>Copper</td>
<td>~ 21 N/mm²</td>
</tr>
<tr>
<td>Brass</td>
<td>~ 24 N/mm²</td>
</tr>
<tr>
<td>GFRP, Polyester</td>
<td>&gt; 7 N/mm², glass fibre failure</td>
</tr>
<tr>
<td>GFRP, Epoxy</td>
<td>&gt; 12 N/mm²</td>
</tr>
</tbody>
</table>

**Storage stability between +2°C and +40°C** 2 years

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