Information on the areas of application and properties of lamination resins

Duroplastics

<table>
<thead>
<tr>
<th>Acrylic resins</th>
<th>Epoxy resin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orthocryl sealing resin</td>
<td>Orthopox</td>
</tr>
<tr>
<td>Orthocryl lamination resin 8020</td>
<td></td>
</tr>
<tr>
<td>Orthocryl lamination resin 8020 PRO</td>
<td></td>
</tr>
<tr>
<td>Orthocryl lamination resin 8020 Speed</td>
<td></td>
</tr>
<tr>
<td>D-Orthocryl</td>
<td></td>
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<tr>
<td>Orthocryl, soft</td>
<td></td>
</tr>
<tr>
<td>Orthocryl, extra soft</td>
<td></td>
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<tr>
<td>Orthopox</td>
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</tbody>
</table>

Areas of application
- Suitable for sealing and reinforcing
- Components with fibre-glass content, as well as components with low to no carbon fibre content
- Components with high fibre content, for densely woven reinforcement
- Lamination resin for small components
- Components with high fibre content, for densely woven reinforcement
- Components without fibreglass or carbon fibre content
- Components without fibreglass or carbon fibre content, for solid laminate

Characteristics
- Low
- Medium
- High

Stiffness
- Very low
- Low
- Medium
- Very high

Forming properties
- All resins are thermosets (not thermoplastics), the components lose their profile of properties through deformation, meaning their mechanical effect is destroyed.

Processing time
- Approx. 5 min.
- Approx. 30 min.
- Approx. 40 min.
- Approx. 20 min.
- Approx. 30 min.
- Approx. 30 min.
- Approx. 30 min.
- Approx. 30 min.

Compatibility with Carbon fibre
- Components with low to no glass content, as well as Components with high carbon fibre content;
- Components without glass content, as well as Components with high carbon fibre content;
- Components with high carbon fibre content, for solid laminate

Processing tools
- Wooden spatula (699Y3)
- Accessories: Measuring cup (8460B=*)

Net contents
- 5 kg

Key:
- □□□□□ = very low
- □□□□□ = soft
- □□□□□ = medium
- □□□□□ = high
- □□□□□ = very high

Accessories
- Pharma talcum (639A1=1)
- Accessory: Measuring cup (642B2=* )

Useful information
- Carbon laminate with corresponding reinforcement
  - • High bending strength in the fibre direction (90°)
  - • Medium bending strength in 90°
  - • Medium bending strength in 0°
  - • Medium torsional strength

Pure carbon laminate without additional reinforcement
- Components with high fibre content, for densely woven reinforcement
- Components without fibreglass or carbon fibre content
- Components without fibreglass or carbon fibre content, for solid laminate

Key:
- □□□□□ = light skin colour (617Z2=*), tan skin colour (617Z3); white (617Z4); yellow (617Z5); red (617Z6); blue (617Z7); black (617Z9), green (617Z58=3)

Key:
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