## Aircraft Interior | Material Selection Guide

### Product

#### Product group
- DELO-DUOPOX
- DELO-PUR

#### Product code
- AB8390
- AB8162
- AB8660
- VE 23511
- VE 24041
- AD948
- AD996

## General

### Properties

#### Color
- AB8390: colorfast white
- AB8162: beige yellowish

#### Mixing ratio (A:B)
- AB8390: 1:1.20
- AB8162: 2:1

#### Viscosity
- Inorganic
- Inorganic

#### Curing mechanism
- Pasty but good handling during dispensing
- Excellent flow behavior and low sagging effect due to thixotropy

#### Media resistance
- Resistance to Skydrol reference fluid (Tri-n-butyl-phosphate) after 500 hours at +60 °C

#### Processing time
- AB8390: 92
- AB8162: 96

#### Curing time
- AB8390: 200 ml, 20 l
- AB8162: 620 ml, 20 l

#### Physical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>AB8390</th>
<th>AB8162</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White</td>
<td>Beige</td>
</tr>
<tr>
<td>Mixing ratio (A:B)</td>
<td>1:1.20</td>
<td>2:1</td>
</tr>
<tr>
<td>Curing at room temperature (min)</td>
<td>92</td>
<td>96</td>
</tr>
<tr>
<td>until initial strength</td>
<td></td>
<td></td>
</tr>
<tr>
<td>until functional strength</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tensile shear strength (MPa)</td>
<td>25</td>
<td>20</td>
</tr>
<tr>
<td>Elastic modulus (MPa)</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>Density</td>
<td>1.25</td>
<td>1.25</td>
</tr>
<tr>
<td>Glass transition temperature</td>
<td>111</td>
<td>111</td>
</tr>
<tr>
<td>Storage life at room temperature</td>
<td>9 months</td>
<td>9 months</td>
</tr>
<tr>
<td>Color modification</td>
<td>None</td>
<td>Available in grey</td>
</tr>
<tr>
<td>Typical packages</td>
<td>Double chamber cartridge, hobbock</td>
<td></td>
</tr>
</tbody>
</table>

## Applications

### Possible applications
- Inserts & hinges
- Bonded parts
- Inserts & hinges
- Bonded parts

### Loading elements
- Inorganic
- Inorganic
- Inorganic
- Inorganic
- Inorganic
- Inorganic
- Inorganic
- Inorganic

### Curing at room temperature
- AB8390: 200 ml
- AB8162: 620 ml

### Media resistance
- AB8390: 200 ml
- AB8162: 620 ml

### Storage life at room temperature
- AB8390: 200 ml
- AB8162: 620 ml

### Compliant with RoHS directive 2015/863/EU
- AB8390: Yes
- AB8162: Yes

### Compliant with Airbus Industries Material Specification
- AB8390: No
- AB8162: No

## Compliance

### AIMS (Airbus Industries Material Specification)
- AB8390: Approved
- AB8162: Approved

### Flammability tests
- AB8390: Pass
- AB8162: Pass

### Avian Bonding
- AB8390: Pass
- AB8162: Pass

### Antimony and bromine containing compounds not intentionally added
- AB8390: Yes
- AB8162: Yes

### Conformity
- AB8390: Yes
- AB8162: Yes

### Availability
- AB8390: Available
- AB8162: Available

### Notes
- *c* < 5 % elongation at tear after thermal aging
- *a* meets the requirements of the E17 test according to:
- a) CS/FAR Part 25 §25.853(a)(i) Amdt. 15 / Amdt. 25-116 (Resistance of Material to Flame, Vertical Bunsen Burner Test)
- b) CS/FAR Part 25 §25.853(a) Amdt. 15 / Amdt. 25-116 & ABD0031 (Specific Optical Density of Smoke)
- c) AD996 (Toxic Components on Combustion Products)
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MATERIAL SELECTION GUIDE

Aircraft Interior