
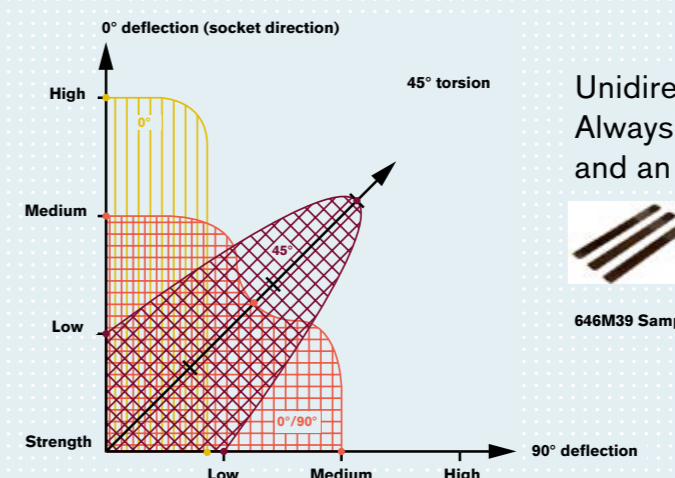


## Information on the areas of application and properties of lamination resins

### Duroplastics

	Acrylic resins							Epoxy resin	
Article number	Orthocryl sealing resin 617H21	Orthocryl lamination resin 80:20 617H19	Orthocryl lamination resin 80:20 PRO 617H119	Orthocryl lamination resin 80:20 Speed 617H19S	C-Orthocryl 617H55	Orthocryl, soft 617H17	Orthocryl, extra soft 617H51	Orthopox 617H5	
Areas of application	Suitable for sealing and reinforcing	Components with fibreglass content, as well as components with low to no carbon fibre content	Components with high carbon fibre content; for densely woven reinforcements	Lamination resin for small components	Components with high carbon fibre content	Components without fibreglass or carbon fibre content	Components without fibreglass or carbon fibre content	Components with high carbon fibre content, for solid laminate	
Characteristics	<p>Viscosity: ●●●●○</p> <p>Strength: ●●●○</p> <p>Stiffness: —</p> <p>Forming properties: All resins are thermosets (not thermoplastics), the components lose their profile of properties through deformation, meaning their mechanical effect is destroyed.</p> <p>Complexity in the model: —</p> <p>Processing time: approx. 5 min.</p> <p>Compatibility with carbon fibre: —</p> <p>Orthopox products: 616G12=H5*, 616G181=H5.2</p>								
Useful information	<p><b>Carbon laminate with corresponding reinforcement</b></p>  <ul style="list-style-type: none"> <li>High bending strength in the fibre direction (0°)</li> <li>Medium torsional strength</li> <li>Unidirectional (0°): Always with an internal and an external cloth layer!</li> <li>Medium bending strength in 0°</li> <li>Medium bending strength in 90°</li> <li>Medium torsional strength</li> <li>Low bending strength in 0°</li> <li>Low bending strength in 90°</li> <li>High torsional strength</li> </ul>				<p><b>Pure carbon laminate without additional reinforcement</b></p>  <p>Unidirectional (0°): Always with an internal and an external cloth layer!</p>				
Accessories	Pharma talcum (639A1=1) or Microballon, white (617Z8=1)	PVA bags (99B81=*)	PVA bags (99B81=*)	PVA bags (99B81=*)	PVA bags (99B81=*)	PVA bags (99B81=*)	PVA bags (99B81=*)	PVA bags (99B81=*)	
	<p><b>Colour pastes:</b> light skin colour (617Z2=*), tan skin colour (617Z3); white (617Z4); yellow (617Z5); red (617Z6); blue (617Z7); black (617Z9), green (617Z58=3)</p> <p>617P37=* Hardener</p>							EP hardener 617P5=*	
Processing	749Y8=73x200x40 749Y7=B60x100 749Y26=80	749Y8=73x200x40 749Y7=B60x100 749Y26=80	749Y8=73x200x40 749Y7=B60x100 749Y26=80	749Y8=73x200x40 749Y7=B60x100 749Y26=80	749Y8=73x200x40 749Y7=B60x100 749Y26=80	749Y8=73x200x40 749Y7=B60x100 749Y26=80 749Z12=160x16	749Y8=73x200x40 749Y7=B60x100 749Y26=80 749Z12=160x16	749Y8=73x200x40 749Y7=B60x100 749Y26=80	
Adhesives	<ul style="list-style-type: none"> <li>Otto Bock contact adhesive [636N9]</li> <li>Orthocryl sealing resin compact adhesive [636K18]</li> <li>Cyanoacrylate quick-drying adhesive as dosage pen [636K36]</li> </ul>							<ul style="list-style-type: none"> <li>UHU-plus, final strength 300 (dual-component system) [636W23]</li> <li>Two-component high-performance adhesive [636W18]</li> </ul>	
Mixing ratio	Resin : Hardener : Colour paste 100 : 1 : 3	Resin : Hardener : Colour paste 100 : 2-3 : 3			Resin : Hardener : Colour paste 100 : 2-3 : 3	Resin : Hardener : Colour paste 100 : 1-2 : 3		Resin : Hardener : Colour paste 100 : 26 : max. 3	
Accessories	<p>Measuring cup (642B2=*)</p> <p>Wooden spatula (699Y3)</p>								
Net contents	0.9 kg: 4.6 kg: 25 kg	617H21=0.900 617H21=4.600 617H21=25 617H21=25P	617H19=0.900 617H19=4.600 617H19=25 617H19=25P	617H119=0.900 617H119=4.600 617H119=25	617H19S=0.900 617H19S=4.600 617H19S=25	617H55=0.900 617H55=4.600 617H55=25	617H17=0.900 617H17=4.600 617H17=25	617H51=0.900 617H51=4.600 617H51=25	1 kg: 617H5=1 5 kg: 617H5=5

**Key:**

●●●●○ = very low	●●●○ = very soft	●●●○ = very low	●●●○ = very low	●●●○ = very low
●●●○ = low	●●○ = soft	●●○ = low	●●○ = low	●●○ = low
●●○ = moderate	●● = firm	●● = high	●● = high	●● = high
●● = high	● = very firm	● = very high	● = very high	● = very high
● = very high				



#### Further information

Further information can be found on our website (scan the QR code with your smartphone). For further information on the safety instructions, please see the corresponding Ottobock safety data sheet.

