

# Product Information

## SurACer® 4460 - ... even better adhesion and lower viscosity

**NEW**

### Comparisons to major doming resins



SurACer®  
4460

SurACer® 4460	Polyurethane	Epoxy resins
<b>Health and safety during process</b>		
<ul style="list-style-type: none"> <li>• Non-toxic constituents, harmless to humans</li> <li>• Contains no hazardous materials, can be safely stored and transported</li> </ul>	<ul style="list-style-type: none"> <li>• Toxic constituents, main constituents are Isocyanates of acute toxicity</li> <li>• May cause skin irritation</li> <li>• Treat as hazardous material for storage and transportation</li> </ul>	<ul style="list-style-type: none"> <li>• Toxic and corrosive constituents, main constituents are epoxies with properties hazardous to health</li> <li>• May cause skin irritation</li> </ul>
<b>Disposal</b>		
<ul style="list-style-type: none"> <li>• No environmental pollution</li> <li>• Standard commercial waste disposal</li> </ul>	<ul style="list-style-type: none"> <li>• Heavy environmental pollution</li> <li>• Hazardous waste disposal at additional costs</li> </ul>	<ul style="list-style-type: none"> <li>• Environmental pollution</li> <li>• Hazardous waste disposal at additional costs</li> </ul>
<b>Curing Process</b>		
<ul style="list-style-type: none"> <li>• UVA-curable within minutes</li> <li>• Curing process not affected by humidity</li> </ul>	<ul style="list-style-type: none"> <li>• Air-drying, slowly, up to several hours</li> <li>• At room temperature in a ventilated area, place of work is absolutely necessary</li> <li>• Curing affected by humidity</li> </ul>	<ul style="list-style-type: none"> <li>• Air-drying, slowly, up to several hours</li> <li>• At room temperature in a ventilated area, place of work is absolutely necessary</li> <li>• Curing affected by humidity</li> </ul>
<b>Handling</b>		
<ul style="list-style-type: none"> <li>• Very long pot-life (5 days)</li> <li>• Material is available as two components</li> <li>• Low technology requirements for mixing and application processes</li> </ul>	<ul style="list-style-type: none"> <li>• Very short pot-life (minutes only)</li> <li>• Material is supplied as two components</li> <li>• Costly in technology, investment and expenditure</li> </ul>	<ul style="list-style-type: none"> <li>• Very short pot-life (minutes only)</li> <li>• Material is supplied as two components</li> <li>• Costly in technology, investment and expenditure</li> </ul>
<b>Flexibility</b>		
<ul style="list-style-type: none"> <li>• High flexibility</li> </ul>	<ul style="list-style-type: none"> <li>• High flexibility</li> </ul>	<ul style="list-style-type: none"> <li>• Hard elastic, no flexibility</li> </ul>
<b>Outdoor Use</b>		
<ul style="list-style-type: none"> <li>• Suitable for outdoor use</li> <li>• Doming product is resistant to weather and UV light</li> </ul>	<ul style="list-style-type: none"> <li>• Suitable for outdoor use</li> <li>• Doming product is resistant to weather and UV light</li> </ul>	<ul style="list-style-type: none"> <li>• Not suitable for outdoor use</li> <li>• Doming product is not resistant to UV light, prone to discolouring</li> </ul>
<b>Profitability</b>		
<ul style="list-style-type: none"> <li>• Low investment costs for both manual or industrial scale doming</li> </ul>	<ul style="list-style-type: none"> <li>• Low costs for manual doming</li> <li>• High investment costs for industrial manufacture</li> <li>• Additional costs for storage of hazardous material and cleanup</li> </ul>	<ul style="list-style-type: none"> <li>• Low costs for manual doming</li> <li>• High investment costs for industrial manufacture</li> <li>• Additional costs for storage and cleanup</li> </ul>



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