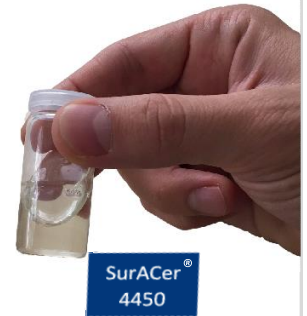


Product Information

SurACer® 4450 - Light-curing and Isocyanate-free Doming Resin

Comparisons to major doming resins



SurACer® 4450	Polyurethane	Epoxy resins
Health and safety during process		
<ul style="list-style-type: none"> • Non-toxic constituents, harmless to humans • Contains no hazardous materials, can be safely stored and transported 	<ul style="list-style-type: none"> • Toxic constituents, main constituents are Isocyanates of acute toxicity • May cause skin irritation • Treat as hazardous material for storage and transportation 	<ul style="list-style-type: none"> • Toxic and corrosive constituents, main constituents are epoxies with properties hazardous to health • May cause skin irritation
Disposal		
<ul style="list-style-type: none"> • No environmental pollution • Standard commercial waste disposal 	<ul style="list-style-type: none"> • Heavy environmental pollution • Hazardous waste disposal at additional costs 	<ul style="list-style-type: none"> • Environmental pollution • Hazardous waste disposal at additional costs
Curing Process		
<ul style="list-style-type: none"> • UVA-curable within minutes • Curing process not affected by humidity 	<ul style="list-style-type: none"> • Air-drying, slowly, up to several hours • At room temperature in a ventilated area, place of work is absolutely necessary • Curing affected by humidity 	<ul style="list-style-type: none"> • Air-drying, slowly, up to several hours • At room temperature in a ventilated area, place of work is absolutely necessary • Curing affected by humidity
Handling		
<ul style="list-style-type: none"> • Very long pot-life (5 days) • Material is available as two components • Low technology requirements for mixing and application processes 	<ul style="list-style-type: none"> • Very short pot-life (minutes only) • Material is supplied as two components • Costly in technology, investment and expenditure 	<ul style="list-style-type: none"> • Very short pot-life (minutes only) • Material is supplied as two components • Costly in technology, investment and expenditure
Flexibility		
<ul style="list-style-type: none"> • High flexibility 	<ul style="list-style-type: none"> • High flexibility 	<ul style="list-style-type: none"> • Hard elastic, no flexibility
Outdoor Use		
<ul style="list-style-type: none"> • Suitable for outdoor use • Doming product is resistant to weather and UV light 	<ul style="list-style-type: none"> • Suitable for outdoor use • Doming product is resistant to weather and UV light 	<ul style="list-style-type: none"> • Not suitable for outdoor use • Doming product is not resistant to UV light, prone to discolouring
Profitability		
<ul style="list-style-type: none"> • Low investment costs for both manual or industrial scale doming 	<ul style="list-style-type: none"> • Low costs for manual doming • High investment costs for industrial manufacture • Additional costs for storage of hazardous material and cleanup 	<ul style="list-style-type: none"> • Low costs for manual doming • High investment costs for industrial manufacture • Additional costs for storage and cleanup