

PRODUCT CHARACTERISTIC SHEET and COC

PLEASE READ BEFORE USING!

Material: CONVEX® Supreme UV 2 mil cast laminate.

Part Nos: CSUV25450C, CSUV23050C, CSUV21550C, CSUV21350C

General Description: Clear flexible Cast film with an optically clear permanent acrylic adhesive. Used for over-laminating when conformability and/or harsh environmental protection is necessary. Recommended for UV durable signs, labels, markings, and wraps.

Thickness:	2 mil. film with 1 mil of adhesive	Adhesive Properties: Permanent optically clear pressure sensitive acrylic adhesive backed with a clear polyester release liner.
Outdoor Life:	10 years	
Shelf Life:	5 years stored at 70 F & 50%RH	
Service Temperature Range:	(-10° F to 375° F)	
Minimum Application Temp.:	>0° F	

Tests performed | results:

Ultimate Peel from	Method PSTC 101	Average Results
Stainless Steel		24 hr dwell - 65 oz/in
Powder coated paint*		24 hr dwell - 40 oz/in
Polyethylene		24 hr dwell - 30 oz/in
Expected Shear Room Temp (hours)	PSTC 107	<10 hours
Tack (gm/sq cm)	825	ASTM D 2979

Reagent	Recommendation	Solvent Resistance:
All Purpose Cleaner	Recommended	The film sample is laminated to a stainless steel panel and allowed to condition for 24 hours at room temperature before testing. The sample is then covered with the listed chemical/solution including all edges of the sample. The duration of exposure is 1 hour at room temperature. The chemical/solution is then removed and the film sample is immediately tested for scrape resistances, delaminating, and other visual effects.
Ammonia	Recommended	
Bleach	Recommended	
Detergent	Recommended	
Disinfectant	Recommended	
Gasoline	Not Recommended	
Glass Cleaner	Recommended	
MEK	Not Recommended	
Sodium Hydroxide	Intermittent Contact Only	
Trichlorethylene	Not Recommended	
Water	Recommended	
10% Saltwater	Recommended	
25% Sulfuric Acid	Intermittent Contact Only	
50/50% Coolant	Recommended	
99% IPA	Recommended	

Recommended Application Techniques: This cast laminate is very stretchy, especially when the liner is removed. Therefore when laminating with a cold laminator, be careful not to stretch the laminate by applying too much drag on the supply mandrel.

Profile Settings: For printing, Gerber Edge users should use the 2 mil LabelStock, or Permagrip Vinyl profile. Eco-Sol, Latex and UV ink jet users should choose a gloss clear cast vinyl profile.

Disclaimer:

All of the descriptive information listed above is our recommendation only. This information does not suggest or constitute a written or verbal warranty or guaranty of any kind by the manufacturer or distributor of this product. Purchasers of this product shall be responsible for independently determining the suitability of the material for the intended application. GMS0226 Graphic Marking Systems

Material Safety Data Sheet (MSDS)

Material Name: CONVEX® Supreme UV 2 mil cast laminate.		Company:	
Part Nos: CSUV25450C, CSUV23050C, CSUV21550C, CSUV21350C		Graphic Marking Systems	
Date Prepared:		Address: 28457 N. Ballard Rd., Suite A1	
General Description: Hi Gloss Clear cast UV stable film with an optically clear permanent acrylic adhesive. Print with Thermal Transfer, Eco Sol, Latex, or UV Ink Jet.		Lake Forest, IL 60045	
		Phone: 847-582-9276	
		www.shopGMS.com	
Composition and information on ingredients:		3TG Compliant: YES	ROHS Compliant: YES
Individual components of this product do not contribute to any known hazards.		UL Recognized: NO	REACH Compliant: YES
OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200): NONE			
Hazards Identification:			
POTENTIAL HEALTH EFFECTS: None			
ACUTE: No significant toxic hazard. When burned may produce toxic fumes.			
CHRONIC: No significant toxic hazard.			
None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.			
First Aid Measures:		Fire Fighting Measures:	
Emergency and First Aid Procedures:		Flash Point: N/A	
ROUTES OF ENTRY:		Method Used: N/A	
Inhalation: N/A	Skin: N/A	Auto-ignition Temperature: N/A	
Eyes: N/A	Ingestion: N/A	Flamable limits in Air % by Volume: LEL: N/A, UEL: N/A	
Accidental Release Measures: N/A		Extinguishing Media: Multi-rated ABC extinguisher or water	
Handling and Storage:		Unusual Fire and Explosion Hazards: None	
No special handling required other than storing away from excessive heat sources.		Special Fire Fighting Procedures: In case of fire, use self-contained breathing apparatus and full protective equipment - all fires liberate toxic gases.	
Exposure Controls and Personal Protection:		Regulatory	
Respiratory Protection: None required	Ozone Depleting Substances: Does not contain		
Skin Protection: No precautions required	US TSCA 12 (b): Compliant		
Eye Protection: None required	WEEE EU Directive 2002/96/EC: Compliant		
Exposure Guidelines: None established	Heavy Metals: Does not contain		
Engineering Controls: None required	Polybrominatedbiphenyls (PBB): Does not contain		
Toxicological Information:		Polybrominated diphenyl esters (PBDE): Does not contain	
Carcinogen Status: NTP: NONE IARC: NONE OSHA: NONE		Latex: Does not contain/not tested	
Ecological Information: No Data Available		Phthalates: Contains, but below limits of Consumer Product Safety Improvement Act of 2008.	
Transport Information:		Halogenated Compounds: Does not contain/not tested	
TRANSPORTATION AND HAZARDOUS MATERIALS DESCRIPTION: Not a hazardous material for DOT shipping.		PFOS / PFOA: Does not contain/not tested	
Disposal Considerations: Waste Disposal:		3TG, Gold, Tin, Tantalum, Tungsten: Does not contain/not tested	
Dispose of in accordance with Local, State and Federal regulations.		Dimethyl fumarate, Brominated flame: Does not contain/not tested	
Disclaimer:		CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product does not contain chemicals at levels that are subject to regulation or labeling under Prop 65.	
The information contained herein is based on the data available to Graphic Marking Systems, and is believed to be correct. However, Graphic Marking Systems makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Graphic Marking Systems assumes no responsibility for injury from the use of the product described herein.			