

PRODUCT CHARACTERISTIC SHEET and COC

PLEASE READ BEFORE USING!

Material: CONVEX® Chrome High-Bond

Part Nos: CCHB1550S, CCHB1525S, CCHB1510S, CCHB155S

General Description: Chrome Silver, soft, flexible UV durable film with a clear permanent High-Bond acrylic adhesive. Please use with compatible Convex and Pro-Shield laminates. Different combinations of Convex or Pro-Shield laminates can be used to achieve a variety of decal thicknesses.

Thickness:	1.5 mil film with 1.5 mil. of adhesive.	Adhesive Properties: 1.5 mils. of permanent High-Bond acrylic pressure sensitive adhesive works for most surfaces including textured low energy plastic and metal surfaces
Outdoor Life:	7 years UV	
Shelf Life:	5 years stored at 70° F & 50%RH	
Service Temperature Range:	(-40° F to 212° F)	
Minimum Application Temp.:	50° F	

Tests performed | results:

Ultimate Peel from	Average OZ/IN	Test Method	
Acrylic	81	ASTM D 903 (Modified for 72 hour dwell time)	
Glass	78		
Polypropylene	31		
Stainless Steel	67		
Expected Shear Room Temp (hours)	10+ Film rips during shear test	ASTM D 3654 Method A	a. 1 hrl dwell b. 1 sq. in. surface c. 4 lb. load
Tack (gm/sq cm)	770	ASTM D 2979	

CERTIFICATE OF CONFORMANCE (COC)

Sold to:		Lot No.:	
Buyer:		PO#	
Supplier:	Graphic Marking Systems	MFR Part No:	Top of the page
MFR Date:		Ship Date:	
		Supplier's Authorized Rep.:	<i>Demas Garcia</i>
		Title:	Converting Manager
		Date:	

Recommended Application Techniques:

On curved plastic surfaces such as found on MX bikes and ATVs, first clean the plastic with alcohol or acetone to remove any "silicone" mould residue from the surface you intend to apply to. Allow it to dry before applying the graphic.

GSP Software Settings:

In Gerber's Composer or Plot program, select the setting for 220 HP or 210 Deluxe series vinyl. We recommend Gerber's GCT series transparent colors for the best transparent results, or GCS spot colors to block the chrome effect. If you are using laminates on top of the base material, you will have to determine the best cutter settings by test cutting the finished construction. Convex Chrome is only 1.5 mils thick with 1.5 mils of adhesive. Therefore it does not take a lot of force to cut through Convex Chrome without laminate. www.CONVEXVinyl.com

USE A 45° blade or 60° BLADE on any combination of material 8 mil or thicker.

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. Although this material can be printed on with some solvent based printers, the surface characteristics of the material can change from roll to roll, and failure of optimal printing results are not a basis for returning the product. Purchasers of this product shall be responsible for independently determining the suitability of the material for the intended application. GMS0612 Graphic Marking Systems

Material Safety Data Sheet (MSDS)

Material Name: CONVEX® Chrome High-Bond		Company:							
Part Nos: CCHB1550S, CCHB1525S, CCHB1510S, CCHB155S		Graphic Marking Systems							
Date Prepared: 8/24/2015		Address: 28457 N. Ballard Rd., Suite A1 Lake Forest, IL 60045							
General Description: Chrome Silver, soft, flexible vinyl film with a clear permanent High-Bond acrylic adhesive.		Phone: 847-582-9276 Fax: 847-582-9282							
Composition and information on ingredients: Individual components of this product do not contribute to any known hazards. OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200): NONE		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">UL Recognized:</td> <td style="text-align: center; padding: 2px;">NO</td> </tr> <tr> <td style="padding: 2px;">ROHS Compliant:</td> <td style="text-align: center; padding: 2px;">YES</td> </tr> <tr> <td style="padding: 2px;">REACH Compliant:</td> <td style="text-align: center; padding: 2px;">YES</td> </tr> </table>		UL Recognized:	NO	ROHS Compliant:	YES	REACH Compliant:	YES
UL Recognized:	NO								
ROHS Compliant:	YES								
REACH Compliant:	YES								
Hazards Identification: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;">POTENTIAL HEALTH EFFECTS:</td> <td style="padding: 2px;">None</td> </tr> <tr> <td style="padding: 2px;">ACUTE:</td> <td style="padding: 2px;">No significant toxic hazard. When burned may produce toxic fumes.</td> </tr> <tr> <td style="padding: 2px;">CHRONIC:</td> <td style="padding: 2px;">No significant toxic hazard.</td> </tr> </table> <p>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.</p>				POTENTIAL HEALTH EFFECTS:	None	ACUTE:	No significant toxic hazard. When burned may produce toxic fumes.	CHRONIC:	No significant toxic hazard.
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CHRONIC:	No significant toxic hazard.								
First Aid Measures: Emergency and First Aid Procedures:		Fire Fighting Measures:							
ROUTES OF ENTRY:		Flash Point: N/A							
Inhalation: N/A	Skin: N/A	Method Used: N/A							
Eyes: N/A	Ingestion: N/A	Auto-ignition Temperature: N/A							
Accidental Release Measures: N/A		Flamable limits in Air % by Volume: LEL: N/A, UEL: N/A							
Handling and Storage: No special handling required other than storing away from excessive heat sources.		Extinguishing Media: Multi-rated ABC extinguisher or water							
Exposure Controls and Personal Protection:		Unusual Fire and Explosion Hazards: None							
Respiratory Protection: None required	Special Fire Fighting Procedures: In case of fire, use self-contained breathing apparatus and full protective equipment - all fires liberate toxic gases.								
Skin Protection: No precautions required	Physical and Chemical properties:								
Eye Protection: None required	Vapor Pressure (mm Hg): N/A	Boiling Point: N/A							
Exposure Guidelines: None established	Vapor Density (air = 1): N/A	Melting Point: N/A							
Engineering Controls: None required	Appearance and odor: N/A	Reactivity of water: N/A							
Toxicological Information:		Specific Gravity (H 0=1): N/A	Solubility in water: N/A						
Carcinogen Status: NTP: NONE IARC: NONE OSHA: NONE		Stability and Reactivity:							
Ecological Information: No Data Available		Stability: N/A							
Transport Information:		Conditions to avoid: Fire or Excessive Heat							
TRANSPORTATION AND HAZARDOUS MATERIALS DESCRIPTION: Not a hazardous material for DOT shipping.		Incompatibility: None							
Disposal Considerations: Waste Disposal: Dispose of in accordance with Local, State and Federal regulations.		Hazardous Decomposition Products: None							
Other Information: 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.		Hazardous Polymerization: Will not occur.							
		Regulatory Information:							
		OSHA STANDARD CFR 29, PART 1910.1200: This product is considered to be an "article" under this standard.							
		SARA 313 INFORMATION: This product contains no substances at or above the reporting threshold subject to the reporting requirement of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 371, based on available data.							
		CALIFORNIA PROPOSITION 65: CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. Warning this product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.							