

PRODUCT CHARACTERISTIC SHEET and COC

PLEASE READ BEFORE USING!

Material: CONVEX® GearWrap™ 8 mil. White

Part Nos: C81550W

General Description: White, soft, flexible vinyl with a clear permanent acrylic adhesive. Convex® GearWrap™ 8 mil white is only intended for Thermal printing. Different combinations of Convex® or Pro-Shield™ laminates can be used to achieve a variety of decal thicknesses. Convex® GearWrap™ is specially formulated to work with Convex® laminates for helmet and other complex curved applications.

Thickness:	8 mil. vinyl with 1 mil of adhesive
Outdoor Life:	2 years
Shelf Life:	2 years stored at 70 F & 50%RH
Service Temperature Range:	(-40° F to 176° F)
Minimum Application Temp.:	50° F

Adhesive Properties:

1 mils. of permanent, yet cleanly removable for up to a year, acrylic pressure sensitive adhesive. For most high energy surfaces. Not recommended for low energy plastics or powder paint coatings.

Tests performed | results:

Ultimate Peel from	Average OZ/IN	Test Method
Acrylic	120	ASTM D 903 (Modified for 72 hour dwell time)
Glass	118	
Polypropylene	10	
Stainless Steel	99	
Expected Shear Room Temp (hours)	60	ASTM D 3654 Method A a. 1 hrl dwell b. 1 sq. in. surface c. 4 lb. load
Tack (gm/sq cm)	490	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:	
		Title:	Converting Manager

Recommended Application Techniques:

On curved surfaces such as helmets, apply by rubbing from the center out. Recommended laminates are Convex® 4 or 8 mil Convex®. When any laminate is separated from the liner it is unsupported and can stretch during the laminating process. If there is too much reverse tension (drag) applied on the supply roll, it will stretch and curl up immediately when it is cut.

GSP Software Settings:

GERBER SETTINGS: In the Gerber Plot program, select the Print Options (F11) button and then substitute vinyl. Use the 220 Scotchcal or ImageCal setting for the best results. Do a test cut to determine the proper cut speed and force for the base and laminate combination.

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® GearWrap™ 8 mil. White		Company:	
Part Nos: C81550W		Graphic Marking Systems	
Date Prepared: 8/24/2015		Address: 28457 N. Ballard Rd., Suite A1 Lake Forest, IL 60045	
General Description: White soft flexible vinyl with a clear permanent acrylic adhesive.		Phone: 847-582-9276 Fax: 847-582-9282	
Composition and information on ingredients:		UL Recognized:	NO
Individual components of this product do not contribute to any known hazards.		ROHS Compliant:	YES
OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200): NONE		REACH Compliant:	YES
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	Flammable 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:		Physical and Chemical properties:	
Respiratory Protection: None required	Vapor Pressure (mm Hg): N/A		
Skin Protection: No precautions required	Boiling Point: N/A		Melting Point: N/A
Eye Protection: None required	Vapor Density (air = 1): N/A		Reactivity of water: N/A
Exposure Guidelines: None established	Appearance and odor: N/A		Solubility in water: N/A
Engineering Controls: None required	Specific Gravity (H 0=1): N/A		
Toxicological Information:			
Carcinogen Status: NTP: NONE IARC: NONE OSHA: NONE			
Ecological Information: No Data Available			
Transport Information:			
TRANSPORTATION AND HAZARDOUS MATERIALS DESCRIPTION: Not a hazardous material for DOT shipping.			
Disposal Considerations: Waste Disposal:		Regulatory Information:	
Dispose of in accordance with Local, State and Federal regulations.		OSHA STANDARD CFR 29, PART 1910.1200: This product is considered to be an "article" under this standard.	
Other Information:		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.	
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.		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.	