



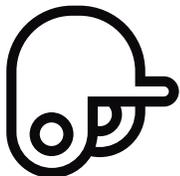
PRODUCT INFORMATION

CONVEX® 4 or 8 mil GearWrap™ is designed for high-energy surfaces such as helmets—ideal for enamel-painted polycarbonate shells. The adhesive is initially repositionable, and will **remove cleanly without residue for up to a year after it is applied.** This cuts down on the labor that is involved in refurbishing helmets and replacing decals.

The CONVEX brand was developed in 1998 to meet the demands of contact sport helmet decals, as well as industrial decals. CONVEX applies easily to complex/compound curves without wrinkling. CONVEX vinyl and laminates are formulated with the right amount of adhesive, ensuring that your decals have minimal shrinking and last for a long time.

To learn more about CONVEX GearWrap and other CONVEX media, scan the QR code below. Visit www.ShopGMS.com for all of your media and hardware needs.

POPULAR APPLICATIONS



Baseball Helmets



Football Helmets



Hard Hats



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PRODUCT CHARACTERISTIC SHEET and COC

PLEASE READ BEFORE USING!

Material: CONVEX® GearWrap™ Clear and White 4 and 8 mil.

Part Nos: C81550C, C81550W & C41550C, C41550W

General Description: Clear and White soft flexible vinyl with a clear permanent acrylic adhesive. Used for thermal resin transfer printing and can be used for over-laminating. *Can also be used for non-aqueous ink jet printing. Different combinations of Convex® GearWrap™ and Convex® laminates can be used to achieve a variety of decal thicknesses and selling prices.

Thickness:	8 or 4 mil. vinyl with 1 mil of adhesive	Adhesive Properties: General purpose adhesive works on most surfaces. Gearwrap™ adhesive is formulated to remove cleanly from most surfaces for up to a year after it is applied.
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	

Tests performed | results:

Ultimate Peel from	Average OZ/IN	Test Method
Acrylic	120	ASTM D 903 (Modified for 72 hour dwell time)
Painted Polycarbonate	45	
Polypropylene	10	
Glass	118	
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

Recommended Application Techniques:

On curved surfaces such as helmets, apply by rubbing from the center out. When using Convex as a Laminate, as it is separated from the liner, if there is too much drag tension applied to the supply roll, it can stretch and curl up immediately after it is cut on a plotter. Laminate with a cold pressure sensitive laminator or by hand.

GSP Software Settings:

In Gerber's Plot program, click on the "123" button then on the substitute button and select vinyl. Select 3M 220 Premium or Gerber ImageCal from the pull-down menu as the vinyl to print on. 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.

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, plasticizers can migrate to the surface of the material, especially if stored above room temperature. If this happens, use alcohol to clean the surface. Failure of optimal printing results via ink jets 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. GMS0817 Graphic Marking Systems