

**CONVEX**<sup>®</sup>  
DIAMOND



## PRODUCT INFORMATION

**CONVEX<sup>®</sup> Diamond** gives your graphics brighter sparkle than anything else on the market! At 14 mils, this thick **CONVEX** vinyl with a brilliant metallic silver flake is durable and pliable, making it perfect to achieve award-winning decals. With our popular **GearWrap** adhesive on the back, **CONVEX Diamond** is initially repositionable and removes cleanly for up to a year after application. Printing on **CONVEX Diamond** with Transparent ink lets the dancing and reflecting light shine through. Solid colors like Arctic White and Jet Black will block it, giving you complete control to incorporate movement where you want it in your decal designs! **CONVEX Diamond** is very opaque and will keep your graphics shining brightly, even when applied to dark surfaces.

Check out the enclosed free sample to see the brilliant metallic sparkle of **CONVEX Diamond**.

Use your **Gerber EDGE<sup>®</sup>** or Solvent inkjet system to print on Diamond. Make custom colors with transparent inks, or just cut and apply the brilliant metallic silver for highlights that pop!

## SUGGESTED APPLICATIONS



Brand ID



Football Helmets



Bike frames &  
Painted metal



▲ Scan here!

# PRODUCT CHARACTERISTIC SHEET

*PLEASE READ BEFORE USING!*

**Material:** CONVEX® Diamond™ With GearWrap adhesive.

**Part Numbers:** CD141550 & CD143050

<b>Thickness:</b>	13- mil 1-mil. of GearWrap adhesive	<b>Adhesive Properties:</b> 1 mils. of permanent acrylic pressure sensitive adhesive formulated for painted helmets and high energy surfaces. Not recommended for LSE plastics or powder coated paint.
<b>Outdoor Life:</b>	2 years	
<b>Shelf Life:</b>	2 year stored at 70° F & 50%RH	
<b>Service Temperature Range:</b>	(~40° F to 176° F)	
<b>Minimum Application Temp.:</b>	55° F	

Tests preformed   results:	Gear Wrap	
Ultimate Peel form	Average OZ/IN	Test Method
Acrylic	76	ASTM D 903 (Midified for 72 hour dwell time)
Glass	75	
Polypropylene	16	
Stainless Steel	65	
Expected Shear Room Temp (hours)	75	ASTM D 3654 Method A a. 1 hrl dwell b. 1 sq. in. surface c. 4 lb. load
Tack (gm/sq cm)	310	ASTM D 2979

<b>Recommended Application Techniques:</b>	On curved surfaces, apply by rubbing from the center out or use a hinge method starting at the most raised part of the curved shape. Convex™ Diamond is more likely to leave adhesive residue if adhered for more than 1 year. Not recommended for low energy surfaces.
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<b>GSP Software Settings:</b>	In Gerber's Plot program, click on the "123" button, then click on the Substitute button and select vinyl type, "Imagecal-P, SD8, or 220 Premium" from the pull-down menu. If you have the Gerber enVision 375 Plotter/Cutter, go to Plotter settings "F7" and set the Speed to 50, Acceleration to 66, Sharp Corners to 66.67 or higher, and Force to 50% or more depending on the age of your blade. A 45 or 60 degree blade is recommended for all cutters cutting this material. If you are laminating on top of this material, use the same settings and determine the Force by performing test cuts. It may be necessary to make double or triple cuts.
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**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. GMS0618 Graphic Marking Systems



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