CONVEX®
LACROSSE AND HOCKEY

GMS MEDIA™

PRODUCT INFORMATION

Our Convex Lacrosse and Hockey media is specifically formulated for plastic Lacrosse and Hockey helmets. Convex for Lacrosse and Hockey is the same high performing, easy to apply vinyl, with a more aggressive adhesive for plastic. You can apply it even when it's cold; perfect for work at the ice rink or in early spring weather. This specialty media is an 8 mil clear or white base media with a clear adhesive to allow the color of the helmet to show through.

Convex 8 mil Clear for Lacrosse and Hockey is formulated for printing on the Gerber Edge, and is compatible with all Convex and Pro-Shield laminates.

Convex is a soft, pliable vinyl that we formulated for use on surfaces that have complex curves. Customers have requested different thicknesses for the wide variety of applications in the sports and durable decal markets. There are also different surfaces and surface energies that require unique adhesives.

Our adhesives are custom-formulated to work together with the soft Convex vinyl. When vinyl and adhesives are not formulated to work together, components from the vinyl can migrate into the adhesive, cause it to ooze out the edges, and weaken the bond over a short period of time.

To learn more about Convex Lacrosse and Hockey, scan the QR code below or visit www.convexvinyl. com to order Convex today! Visit www.shopGMS.com for all of your other media needs as well!

POPULAR APPLICATIONS

Hockey Helmets | **Hard Hats** | **Lacrosse Helmets** | ▲ **Scan here!**

GRAPHIC *Marking Systems*

PRODUCT CHARACTERISTIC SHEET

PLEASE READ BEFORE USING!

Material: CONVEX® Clear 8 mil. for Lacrosse & Hockey Helmets

Part Nos: C8LH1550C, C8LH1510C,

General Description: Clear soft flexible vinyl with an agressive clear permanent acrylic adhesive formulated for plastic helmets. (Use Convex GearWrap for Polycarbonate Football helmets.) Convex for Lacrosse and Hockey helmets is formulated for thermal resin transfer printing. Convex® LH is compatible with all Convex and Pro-Shield laminates.

Thickness:	8 mil. vinyl with 1 mil of adhesive
Outdoor Life:	2 years
Shelf Life:	6 mo. years stored at 70 F & 50%RH
Service Temperature Range:	(-40º F to 176º F)
Minimum Application Temp.:	32º F

Adhesive Properties:

This clear adhesive is more aggressive than GearWrap for plastic helmets, and will work on most surfaces. Convex LH also has a lower minimum application temperature.

Tests performed | results:

Ulitmate Peel from	Average OZ/IN	Test Method	
Acrylic	115	ASTM D 903 (Modified for 72 hour dwell time)	
Polypropylene	36		
Glass	76		
Stainless Steel	62		
Expected Shear Room Temp (hours)	2 hrs.	ASTM D 3654 Method A	a. 1 hrl dwell b. 1 sq. in. surface c. 4 lb. load
Tack (gm/sq cm)	550	ASTM D 2979	

Recommended Application Techniques:	Make sure the surface is clean and dry. Avoid using cleaners such as window cleaners that will leave a residue on the helmet. On curved surfaces such as helmets, apply by rubbing from the center out.
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 45º blade or 60º BLADE on any combination of material 8 mil or thicker.