

CONVEX[®]

HIGH-BOND

GMS[™]
MEDIA



PRODUCT INFORMATION

CONVEX[®] High-Bond[™] is our soft, pliable CONVEX[®] vinyl that forms to complex curves, with an adhesive formulated for low energy surfaces, such as plastic and powdered paint. It prints beautifully with thermal or ink jet technology. Imagine having the same conformability of CONVEX for helmets, but with a very aggressive adhesive. It is great for industrial and recreational applications.

This aggressive adhesive has a truly unique characteristic. **CONVEX High-Bond** is easier to remove when frozen. In other words, if you want to take old graphics off, just make sure they are cold.

CONVEX High-Bond is **6 mils thick** and comes in **matte white, gloss white, and clear**. It is available punched for the GERBER EDGE, or up to 54" wide for ink jets. For professional labels and decals that will take a beating, laminate CONVEX High-Bond with Pro-Shield[™], Tuff-Cover[™], Stubbl[™] or CONVEX[®] Laminate.

To learn more about **CONVEX High-Bond**, scan the **QR code** below.

POPULAR APPLICATIONS



Hard Hats



Plastic Powersport Wraps



Porta Potties

Scan Here! ▶




GRAPHIC
Marking Systems[™]

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PRODUCT CHARACTERISTIC SHEET

PLEASE READ BEFORE USING!

Material: CONVEX® High-Bond

Part Nos: CHB61550W, CHB61550C & CHB63050W, CHB63050C

General Description: Clear and White, soft, flexible vinyl with a clear permanent acrylic adhesive. Please use Convex® High-Bond Matte for ink jet printing. Different combinations of Convex® or Pro-Shield™ laminates can be used to achieve a variety of decal thicknesses. Please see the disclaimer at the bottom.

Thickness:	3.8 mil. vinyl with 2 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:

2 mils. of permanent acrylic pressure sensitive adhesive works for most surfaces including textured low energy plastic and metal surfaces

Tests performed | results:

Ultimate Peel from	Average OZ/IN	Test Method	
Acrylic	150	ASTM D 903 (Modified for 72 hour dwell time)	
Glass	156		
Polypropylene	32		
Stainless Steel	134		
Expected Shear Room Temp (hours)	30	ASTM D 3654 Method A	a. 1 hr dwell b. 1 sq. in. surface c. 4 lb. load
Tack (gm/sq cm)	1100	ASTM D 2979	

Recommended Application Techniques:

On curved surfaces such as MX bike plastics, clean the plastic with alcohol or acetone to remove any "silicone" mould residue from the plastic. Apply to clean dry surfaces. Use the aid of a heat gun if you are laminating with Pro-Shield™ laminate to get the finished graphic to conform to curvy shapes.

GSP Software Settings:

6 mil. 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, 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. GMS0716 Graphic Marking Systems



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