

CONVEX

HIGH-BOND



PRODUCT INFORMATION

CONVEX® High-Bond™ is our soft, pliable CONVEX® vinyl that conforms 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. It is great for industrial and recreational applications.

CONVEX High-Bond is 6 mils thick and comes in clear, white, and matte white. It is available punched for the Gerber EDGE, and 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.

NOTABLE QUALITIES

THICK AND PLIABLE

Fits easily to complex curves

HIGH-BOND ADHESIVE

Ensures a secure hold on low-energy surfaces, such as powdered paint and plastics

SHRINK RESISTANT

Will not slough off, ooze adhesive, or gather grime at the edges

CUTS SMOOTHLY

Designed for smooth cutting with any roll-fed or flatbed plotter



GRAPHIC
Marking Systems™

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General Description: Thick, durable, soft, flexible vinyl with a clear permanent acrylic adhesive. CONVEX® High-Bond can be used for a variety of applications. Different combinations of CONVEX® or Pro-Shield™ laminates can be used to achieve a variety of decal thicknesses. See the disclaimer at the bottom.

PRODUCT SPECIFICATIONS

TECHNICAL PROPERTIES:

Thickness: 3.8 mil vinyl with 2 mil of adhesive

Outdoor Life: 2 years

Shelf Life: 5 years stored at 70°F & 50%RH

Adhesive Properties: 2 mils of permanent acrylic pressure sensitive adhesive works on most surfaces including textured low energy plastic and metal surfaces.

Service Temperature Range: (-40°F to 176°F)

Minimum Application Temperature: 50°F

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 hrl dwell b. 1 sq in surface c. 4 lb load
Tack (gm/sq cm)	1100	ASTM D 2979

RECOMMENDED APPLICATION TECHNIQUES:

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

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

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. Purchasers of this product shall be responsible for independently determining the suitability of the material for the intended application.

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