

# CONVEX<sup>®</sup> HIGH-BOND



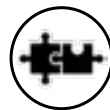
## PRODUCT INFORMATION

CONVEX<sup>®</sup> High-Bond™ is our soft, pliable CONVEX<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> High-Bond™ with Pro-Shield™, Tuff-Cover™, Stubbl™ or CONVEX<sup>®</sup> BIGDOG 12 mil Laminate.

## NOTABLE QUALITIES



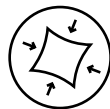
### COMPATIBILITY

Compatible with thermal, UV, eco-solvent, and latex ink. Not compatible with water-based inks.



### 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.



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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	
<b>Expected Shear</b> Room Temp (hours)	30	ASTM D 3654 Method A a. 1 hrl dwell b. 1 sq in surface c. 4 lb load
<b>Tack</b> (gm/sq cm)	1100	ASTM D 2979

Mil Spec MIL-DTL-43719 Type 1 Class 1	
<b>ROHS Compliant</b>	YES
<b>REACH Compliant</b>	YES
<b>3TG Compliant</b>	YES

### APPLICATION NOTES FOR CONVEX® HIGH-BOND VINYL

For optimal performance on plastic and textured surfaces:

**Surface Preparation:** Thoroughly clean plastic surfaces with isopropyl alcohol or acetone to remove mold release agents, such as silicone residue, that may inhibit adhesion.

**Surface Condition:** Ensure surfaces are completely clean and dry prior to application.

*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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