

CONVEX[®] LAMINATE

4, 8 & 12 mil thick



PRODUCT INFORMATION

Ever wonder why you can't easily apply thin vinyl graphics to complex curved surfaces? It's because thin vinyl will wrinkle. Don't fight with it! Make finished decals at least 8 mils thick using **CONVEX[®] Laminate** and experience how easy it is to apply your decals to curved surfaces.

This durable, thick, and pliable film comes in 4, 8, and 12 mil thicknesses and features a clear gloss finish. The thicker the laminate, the more protection there is between your artwork and the elements.

CONVEX Laminate can be used on most media. We highly recommend matching it with CONVEX[®] base media to eliminate the worry of peel back and wrinkling.

NOTABLE QUALITIES

LAMINATE THICKNESS OPTIONS

Choose between 4, 8, and 12 mils, creating a thick protective barrier.

RESISTS SHRINKING & WRINKLING

Maintains its shape longer, won't fall off, ooze adhesive, or collect dirt around the edges.

FITS GREAT ON SPORTING GEAR

Fits perfectly to curves on equipment, such as helmets, watersports, and powersports.



GRAPHIC
Marking Systems™

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General Description: Clear soft flexible vinyl with a clear permanent acrylic adhesive. Used for overlaminating when conformability is necessary. Different combinations of CONVEX® base materials and CONVEX® Laminate can be used to achieve a variety of decal thicknesses and selling prices.

PRODUCT SPECIFICATIONS

TECHNICAL PROPERTIES:

Thickness: 4, 8, or 12 mil with 1.4 mil of adhesive

Outdoor Life: 2 years

Shelf Life: 2 years stored at 70°F & 50%RH

Adhesive Properties: General purpose permanent acrylic pressure sensitive adhesive works on most surfaces. Not recommended for direct applications to low energy plastics.

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	82	ASTM D 903 (Modified for 72 hour dwell time)
Painted polycarbonate	45	
Polycarbonate	52	
Glass	63	
Stainless steel	53	
Polypropylene	13	
Expected Shear Room temp (hours)	20	ASTM D 3654 Method A a.1 hr dwell b.1 sq in surface c.4 lb load
Tack (gm/sq cm)	180	ASTM D 2979

RECOMMENDED APPLICATION TECHNIQUES:

On curved surfaces such as helmets, apply by rubbing from the center out. When using CONVEX® as a laminate, as it is separated from the liner, if there is too much drag tension applied to the supply roll, it can stretch and curl up immediately after it is cut on a plotter. Laminate with a cold pressure sensitive laminator or by hand.

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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