

CONVEX[®]

LAMINATE

4, 8 &
12 mil
thick

GMS[™]
MEDIA



PRODUCT INFORMATION

If you have ever wondered why you can't easily apply thin vinyl graphics to complex, curved surfaces, it's because thin vinyl will quickly wrinkle. Don't fight with it! Use a combination of **CONVEX[®]** media and **CONVEX[®] Laminate** to make the finished decals at least 8 mils thick, which will apply to a curved surface easily.

CONVEX Laminate is a soft, yet thick film that is easy for everyone to apply to complex curves, such as helmets and hard hats. The thicker the laminate, the more protection there is between the artwork and the elements. **CONVEX Laminate** gives you a choice between 4, 8 and 12 mil thicknesses. The 8 mil **CONVEX Laminate** is available in both a matte and gloss finish.

Our **CONVEX Laminate** adhesive is custom formulated to work together with our soft **CONVEX vinyl**. The combination of vinyl and **CONVEX Laminate** eliminates the worry of peelback and wrinkling.

CONVEX leaves competition in the dust with its durability and long lasting adhesive.

POPULAR APPLICATIONS



Watersports



Helmets



Powersports

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GRAPHIC
Marking Systems[™]

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PRODUCT CHARACTERISTIC SHEET

PLEASE READ BEFORE USING!

Material: CONVEX® Laminates - 4 mil, 8 mil, and 12 mil.

General Description: Clear soft flexible vinyl with a clear permanent acrylic adhesive. Used for over-laminating 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.

Thickness:	8 mil. vinyl with 1.4 mil of adhesive	Adhesive Properties: General purpose permanent acrylic pressure sensitive adhesive works on most surfaces. Not recommended for direct applications to low energy plastics.
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	

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.

GSP Software Settings:

Please do test cuts to determine the best cutter settings for the finished base materials and laminate 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. GMS0217 Graphic Marking Systems



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