

CONVEX™

Convex™ Pro-Patch™ is the new Strong yet flexible 12 mil vinyl for patches & seats.

Pro-Patch with matching laminates provide a way for companies with digital printing capabilities to make custom graphics that are sealed and protected from the elements.

Once printed, you can sew Pro-Patch into garments, bags or other textiles for advertising, sponsorship, or identification.

Why use Convex instead of a generic brand white vinyl laminate? Number one of course, because it works. We can't guarantee the performance of other laminates and adhesives on Pro-Patch.

Other adhesives may have an adverse reaction to Pro-Patch.

Our High-Bond adhesive is available for those of you who want to reverse print on Pro-Patch™ and apply adhesive to it.

While developing this product, we took it to some local area vinyl seat/upholstery shops. They were wowed by the materials and custom graphic capabilities of thermal and solvent based digital printers. We suggest you do the same if you want to find out more about seat applications and possibly land some profitable accounts.

Applications for Pro-Patch:

- Custom Art on Motorcycle/Dirt Bike Seats and Cross Bar covers.
- Personalized Team Uniform Patches & Pockets
- Advertising on Bar stool sides & covers.
- Personalized Automotive Headrests
- Customized Snowmobile Seats
- Made to Order Boat Covers
- Custom WaterCraft Seats
- Team/Sponsor Ski Vests
- Customized Duffle bags and Back Packs
- Football Rain Coats
- Paint ball Duffle Bags
- Snow board Back Packs
- Water Skiing Vests
- Extreme Sport Uniforms and Equipment

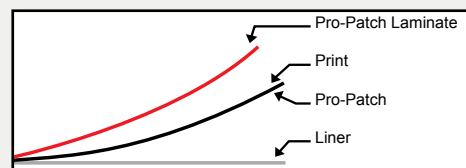


How to Print Pro-Patch

Convex Pro-Patch is printed on in reverse (wrong reading). Once it is printed on, it is laminated with 4 or 8 mil white Convex Laminate.

The white laminate saves you from having to flood coat white. And it seals your graphics from the elements and provides protection from abrasion.

After lamination, the graphics can be placed in a cutter for die cutting. Once your Pro-Patch is cut it is ready to be sewn. Just peel it off the liner (shown below) for a flexible non-adhesive patch.



The 4 mil Convex Laminate is satisfactory for most applications. If greater opacity, thickness, or abrasion resistance is desired, 8 mil Convex™ White Laminate is recommended.

How Convex™ Vinyl Works



There are many soft vinyls such as static cling and other thick vinyl products that we use in everyday life such as shower curtains or vinyl canopies on watercraft, etc. Some of these products are softer than others because of the petroleum content or oils left in the product.

For instance, PVC pipes or hoses may start with the same raw materials, but various additives, or lack of, make the finished product soft or hard. When you add pressure sensitive adhesives, they have to be compatible with the additives in order to stay on the product.

Our adhesives are custom formulated to work together with the soft Convex vinyl. When the vinyl and adhesives are not formulated to work together, additives from the vinyl can migrate into the adhesive or chemicals in the adhesives can migrate into the vinyl. This will cause the adhesive weaken and release over time, and in many cases it will cause the vinyl to shrink so much that it leaves a ring of exposed adhesive around the decal. And, of course exposed adhesive becomes unsightly when it gets dirty.

By now you probably understand

that to make a high quality thick decal, the components (vinyl and adhesives) have to be compatible. The amount of adhesive also makes a difference. More adhesive is not necessarily better. Adding heavy adhesives (3+ mils) to soft vinyl should only be used on very rough surfaces such as concrete. Helmets and smooth or lightly textured surfaces only need 1 or 2 mils of adhesive. It's like building a house on sand. The more sand, the weaker the foundation. The more adhesive, the weaker or more slippery the bond will be.

Limitations of Vinyl

Convex base vinyl and laminates are formulated with the right amount of clear chemical resistant adhesives so that your decals have minimal shrinking and last for a long time.

Convex is not "shrink wrap", but it does conform well to rounded surfaces because it has less "memory" than other vinyl. So when you apply it to a helmet for instance, and rub it from the center out, you should be able to rub out the "air tunnels," which is squeezing or condensing the vinyl. With that said, everything has it's limits, and a strategic

cut into the design may help with the application.

If any of the edges of your decal pop back up after application, there are generally two reasons: Either the area where it is popping up is contaminated with something such as grease from the applicator's fingers, or you are trying to force too much condensing of the vinyl and something has to give. Oversized decals such as a 10" x 10" on a helmet may display such symptoms. That's where the strategic cut may be needed to relieve the pressure on the vinyl.

Is thicker better?

That depends on the application. Harder laminates can last longer, but scratching is more evident. Convex is softer and more pliable, Pro-Shield is harder and less pliable.

All Convex and Pro-Shield laminates are formulated to work with Convex base films. So if you know your intended application well, you should be able to find the right combination. Or you can always call us for our recommendation.

Convex™ Pro-Patch™ is available in:

Convex Pro-Patch				
Style	Thickness	Color	Size	Part number
15" Rolls				
Base	12 mil.	Clear	15"x50 yd.	PP121550C
20" Rolls				
Base	12 mil.	Clear	20"x50 yd.	PP122050C
30" Rolls				
Base	12 mil.	Clear	30"x50 yd.	PS123050C

Need A Sample?

Just call 800-232-8018 for a sample of Convex Pro-Patch.

Convex Pro-Patch Laminate				
Style	Thickness	Color	Size	Part number
13" Rolls				
Laminate	4 mil.	White	13"x50 yd.	PP41350W
Laminate	8 mil.	White	13"x50 yd.	PP81350W
20" Rolls				
Laminate	4 mil	White	20"x50 yd.	PP42050W
Laminate	8 mil	White	20"x50 yd.	PP82050W
30" Rolls				
Laminate	4 mil	White	30"x50 yd.	PP43050W
Laminate	8 mil	White	30"x50 yd.	PP83050W

Call 800-232-8018 for
Pricing and Orders