

TUFF-COVER™

9-YEAR UV LAMINATE



PRODUCT INFORMATION

For tough-as-nails protection of your signs, labels, and overlays, go with **Tuff-Cover™** laminate!

This industrial laminate will protect your graphics from the harshest of conditions and elements, including extreme weather and chemicals – even acid. It preserves the color up to 9 years with double the UV blocking power as well.

Tuff-Cover is an 8 mil, velvet textured laminate with a clear, permanent, pressure sensitive adhesive that works with either vinyl or polyester base materials.

Order Tuff-Cover today and see why it's a favorite of military contractors, OEMs, and many others for its incredible durability.

Scan to order
TCUV!



NOTABLE QUALITIES



SCRATCH & CRACK RESISTANT

Protects against abrasion and the elements so graphics remain readable



CHEMICAL RESISTANT

Withstands almost anything you throw at it: bleach, cleaners, gas, oil, acid, and more



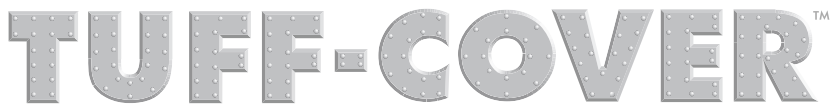
UV RESISTANT

Preserves the bright colors of your signs and labels up to 9 years



GRAPHIC
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PRODUCT SPECIFICATIONS

TECHNICAL PROPERTIES:

Thickness: 8.5 mil film, plus 1.5 mil of adhesive

Outdoor Life: 9+ years, according to independent outdoor & QUV tests

Shelf Life: 9+ years stored at 70°F

Adhesive Properties: Permanent UV inhibiting acrylic pressure sensitive adhesive that works on most surfaces including most vinyl and polyesters – not recommended for direct application to low energy surfaces

Service Temperature Range: (-40°F to 175°F)

Minimum Application Temperature: 50°F

General Description: Rigid clear film with an embossed velvet texture and a clear permanent acrylic adhesive. Use for over laminating. Outdoor testing of Tuff-Cover in Arizona yielded excellent results blocking UV damage and preserving printed colors. This film also exhibits excellent resistance to petroleum, cleaning agents, and cracking (flex-stress tests) under the stress of push-button overlay applications. The UV additives inherent in the product can migrate to the surface on rare occasions. They may be visible as spots that can be wiped off with a dry cloth. We cannot accept returns if the product is rejected for that reason.

RECOMMENDED APPLICATION TECHNIQUES:

Laminate with a cold pressure sensitive laminator or by hand. Too much reverse tension (drag) on the laminate may cause curling in the finished product.

GSP SOFTWARE SETTINGS:

Because this material is rigid, it may be better to assign "double or triple cuts" for easier cutting. To assign double or triple cuts in Gerber® Omega software, select the cutline in your application, copy and paste in back. Do that twice to get three cuts. In more recent versions of Omega, you may select double cuts or multiple cuts in the settings dialog box in the plot program. For enVision cutter settings, in Gerber's plot program, go to *cutter settings* and set the speed to 50, the *acceleration* to 66, the *force* to 50 for three cuts and 60 or more for two cuts, and *sharp corners* to 73. For best results, make some test cuts first, as the condition of your blade will make a difference.

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.

DEI/GMS0412 GRAPHIC MARKING SYSTEMS



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