

WILSON•HURD®**METALPHOTO OVERLAYS**

Metalphoto is the process through which aluminum is anodized and an overlay graphic is embedded into the anodized layer. This protects the graphic against any chipping, abrasions, chemical or industrial solvents.

The figure above illustrates the Metalphoto process, each layer is explained below.

1. Anodized Layer - The glass-clear, sapphire-hard anodized layer resists chemical abrasion and dirt.

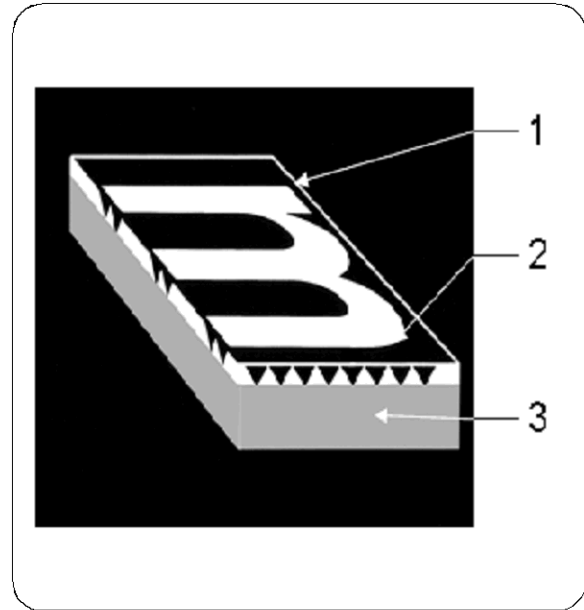
2. Sealed Image - The black graphics are metallic silver particles that hold up to extreme heat and sunlight exposure.

3. Aluminum Layer - The rigid aluminum base will not peel, crack or delaminate.

This technology is ideal for severe environment conditions where extreme temperatures, rough handling, or chemical exposures are likely. Metalphoto materials meet military specifications and are available in multiple thicknesses, finishes and sizes.

Metalphoto aluminum overlays can be die-cut, punched or sheared to your specifications. Black graphics are the standard, however there are a limited number of options for producing colored backgrounds or graphics. When choosing your colors please be aware that other colors besides black are susceptible to fading when exposed to direct sunlight.

The durability characteristics for Metalphoto material are listed on page two(2) of this bulletin and pertain to black images only.



Metalphoto Figure

METALPHOTO FAMILY OF PRODUCTS - DURABILITY CHARACTERISTICS							
DURABILITY CODE: "E" - Excellent "G" - Good "N/R" - Not Recommended		DURABILITY CHARACTERISTIC					
DESIRED RESULT	NAME OF PRODUCT	Outdoor Exposure	Temperature Resistance	Abrasion Resistance	Salt Spray as long as Galvanic Corrosion is avoided	Chemicals except in strong Alkalis	Solvent Resistance
Black & Silver Plates	Metalphoto (Image Intensified)	E	E	E	E	E	E
Black & Silver Plates	Metalphoto (Not Image Intensified)	E	G	E	E	E	E
Adding Background Colors	Background Colors (Sunfast Gold and Classic Gold) Not Image Intensified	E	E	E	N/R	E	E
Adding Background Colors	Background Colors (All Others)	N/R	N/R	E	E	E	E

GOVERNMENT SPECIFICATIONS	
SPECIFICATION	METALPHOTO PRODUCTS THAT MEET SPECIFICATION
GG-P-455B Type I Grade A or B	All Thicknesses and Finishes: Grade A - Image Intensified Only; Grade B - With or Without Image Intensification
GG-P-455B Type II Grade B	N/A
Mil-P-15024D Type H	Minimum .020" Thick Material that has been Mechanically Fastened; or .012" or .020" Thick Material with Adhesive
Mil-P-514D Class 2 Composition C	.020" Thick Material Only Unless Otherwise Specified
Mil-P-19834B Type I and II	.003" Thick Material with Proper Adhesive
Mil-A-8625E Type II	All Thicknesses and Finishes

INDUSTRY SPECIFICATIONS	
UL RECOGNITION	DESCRIPTION
FILE # MH17767 June 1993	Component - Marking and Labeling System Materials - PGGU2 Marking and Labeling material face stock Metalphoto photo-sensitized anodized aluminum. For producing finished printed labels when combined with a suitable laminating adhesive.