GRAVOPLY™ LASER

PREMIUM ENGRAVING MATERIALS

BENEFITS

- Laser engraving and cutting
- Microthin surface layer for detailed engraving
- A wide range of colors
- Matte, brushed or glossy finish
- Excellent for interior signage

APPLICATIONS

Badges, interior signages, identification plates.

SPECIFICATIONS

Finish	Matte, Brushed, Glossy
Composition	Acrylic
Engraving depth	0.1 mm (.004")
Full sheet	1220 mm x 610 mm (48" x 24")
Half sheet	610 mm x 610 mm (24" x 24")
Quarter sheet	610 mm x 305 mm (24" x 12")
Other size	-

CAPABILITIES

Interior	■
Exterior	-
Shear	■
Saw	-
Silk screen	■
Hot stamp	■
Heat bending	■
Scratch resistant	-
Flexible	■
Break resistant	-
UV resistant	-
Min. temp.	-30°C (-22°F)
Max. temp.	70°C (160°F)

TECH TIPS

THE indoor material for your laser application needs. Its microthin surface allows very fine engraving details.

You can mix any surface and any core on demand.

For custom colors, see Custom materials on demand p.10.

CO_2 Rotary UV Print Indoor Surface

surface / core color	2-ply 0.8 mm (.030")	2-ply 1.3 mm (.050")	1.6 mm (1/16")
white / red	**51047**	**51006**	**70005**
white / blue	51057	51011	
white / black	**51017**	**49971**	**69991**
almond / black	51022	49978	
yellow / red	51048	51007	70006
yellow / blue	51058	51012	
yellow / black	**51018**	**49973**	**69992**
dark yellow / black	51019	49977	
orange / white	51035	51005	
orange / black	51020	51001	
red / white	**51034**	**49988**	**69995**
red / yellow	51055	51009	
burgundy / white	51043	49997	70004
burgundy / gold	51062	51016	
purple / white	67005	67006	

	2-ply 0.8 mm (.030")	2-ply 1.3 mm (.050")	1.6 mm (1/16")
apple green / white	51042	49996	70003
pine green / white	51039	49995	70002
sky blue / white	51037	49990	69997
sky blue / black	51021	49979	69993
blue / white	**51036**	**49989**	**69996**
blue / yellow	51056	51010	
air force blue / white	51038	49991	69998
air force blue / gold	51061	51015	
brown / white	51044	49993	70000
chocolate brown / white	51045	49994	70001
brushed bronze / black	51032	51004	
brushed / black	**51025**	**49981**	
glossy silver / black	**51027**	**49980**	
brushed silver / blue	51059	51013	
brushed silver / black	**51026**	**49986**	

References indicated in bold correspond to the most popular color combinations.

GRAVOGRAPH

Printed colors for indication only. Cannot serve as a substitute for real material sample.

surface / core color	2-ply 0.8 mm (.030")	2-ply 1.3 mm (.050")	2-ply 1.6 mm (1/16")
Matte aluminum / black	51024	51002	
new gold / black	51031	49985	
european gold / black	51030	49982	
brushed gold / black	**51028**	**49983**	
glossy gold / black	**51029**	**49984**	
grey / white	51046	49992	69999
grey / black	51023	49974	
black / white	**51033**	**49987**	**69994**
black / yellow	51049	51008	
black / gold	51060	51014	

References indicated in bold correspond to the most popular color combinations.

Printed colors for indication only. Cannot serve as a substitute for real material sample.

GRAVOGRAPH

BENEFITS

- Laser engraving and cutting
- Microthin surface layer for detailed engraving
- A wide range of colors
- Matte, brushed or glossy finish
- Excellent for interior signage

APPLICATIONS

Badges, interior signages, identification plates.

SPECIFICATIONS

Finish	Matte, Brushed, Glossy
Composition	Acrylic
Engraving depth	0.1 mm (.004")
Full sheet	1220 mm x 610 mm (48" x 24")
Half sheet	610 mm x 610 mm (24" x 24")
Quarter sheet	610 mm x 305 mm (24" x 12")
Other size	-

CAPABILITIES

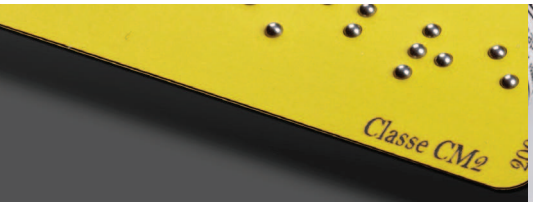
Interior	■
Exterior	-
Shear	■
Saw	-
Silk screen	■
Hot stamp	■
Heat bending	■
Scratch resistant	-
Flexible	■
Break resistant	-
UV resistant	-
Min. temp.	-30°C (-22°F)
Max. temp.	70°C (160°F)

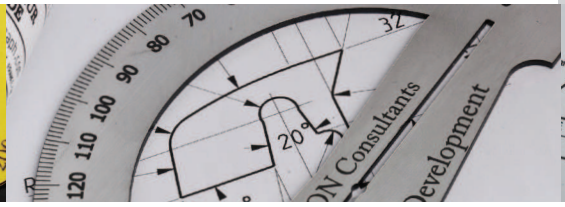
TECH TIPS

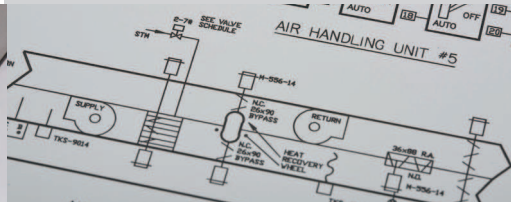
THE indoor material for your laser applications. Its microthin surface allows very fine engraving details.

You can mix any surface and any core colors on demand.

For custom colors, see Custom materials on demand p.10.







GRAVOPLY™ 2

PREMIUM ENGRAVING MATERIALS

BENEFITS

- Microthin surface layer
- Perfect for small characters and detailed logos
- Gravoply™ 2 Gloss has an extra durable, scratch resistant, glossy cap

APPLICATIONS

Badges, identification plates, interior signage

SPECIFICATIONS

Finish	Matte
Composition	ABS
Engraving depth	0.1 mm (.004")
Full sheet	1 220 mm x 610 mm (48" x 24")
Half sheet	610 mm x 610 mm (24" x 24")
Quarter sheet	610 mm x 305 mm (24" x 12")
Other size	-

CAPABILITIES

Interior	■
Exterior	-
Shear	■
Saw	■
Silk screen	■
Hot stamp	■
Heat bending	■
Scratch resistant	■
Flexible	■
Break resistant	■
UV resistant	-
Min. temp.	-30°C (-22°F)
Max. temp.	70°C (160°F)

TECH TIPS

You can mix any surface and core colors on demand. Double-sided products are also available.

For custom colors, see Custom materials on demand p. 10.

Gloss
Double-sided

surface / core color	2-ply 0.5 mm (.020")	2-ply 0.8 mm (1/32")	2-ply 1.5 mm (1/16")	2-ply 2.4 mm (3/32")	2-ply 1.5 mm (1/16")	2-ply 3.2 mm (1/8")
white / red		21857	21928		23981	
white / burgundy			21874			
white / azure blue		21841	21908	21973		
white / black	53218	21850	21919	21982	23977	
almond / burgundy			29709			
almond / black		21855	21926			
yellow / red			21913			
yellow / blue		21828	21896			
yellow / black		21863	21936	21995	23982	
dark yellow / black			21925			
orange / white			52205			
red / white	53219	21851	21921	21983	23978	22016
red / yellow			21910			
burgundy / white			21932			
purple / white			67007			

surface / core color	2-ply 0.5 mm (.020")	2-ply 0.8 mm (1/32")	2-ply 1.5 mm (1/16")	2-ply 2.4 mm (3/32")	2-ply 1.5 mm (1/16")	2-ply 3.2 mm (1/8")
apple green / white		21838	21905			
pine green / white		21865	21938	21997	23983	
pine green / yellow			21916			
sky blue / white		21861	21934			
sky blue / black			21895			
blue / white	53220	21852	21923	21984	23979	
blue / yellow			21911			
air force blue / white			21907			
brown / white		21858	21930			
chocolate brown / white			21876			
grey / white		21856	21927		23980	
grey / black			21915			
black / white	53217	21849	21917	21981	23976	29732
black / yellow		21866	21940			

* Gravoply™ 2 products have a laserable foil cap but engraving color results can vary according to the reference. Vector cutting is not recommended.

GRAVOGRAPH

Printed colors for indication only. Cannot serve as a substitute for real material sample.

FLEXILASE™

PREMIUM ENGRAVING MATERIALS

BENEFITS

- Laser engraving and cutting
- Very thin and flexible
- Excellent for labels
- Fine engraving, neat cutting
- Delivered with adhesive backing

APPLICATIONS

Identification labels, trophy plates, labels for curved surface

SPECIFICATIONS

Finish	Matte, brushed, glossy
Composition	Acrylic
Engraving depth	0.1 mm (.004")
Full sheet	610 mm x 305 mm (24" x 12")
Half sheet	-
Quarter sheet	-
Other size	-

CAPABILITIES

Interior	■
Exterior	-
Shear	■
Saw	-
Silk screen	-
Hot stamp	-
Heat bending	-
Scratch resistant	-
Flexible	■
Break resistant	-
UV resistant	-
Min. temp.	-20°C (-4°F)
Max. temp.	100°C (210°F)

TECH TIPS

A high resolution material, flexible and laserable.

Metallic colors for your trophy plates.

Delivered with adhesive backing.

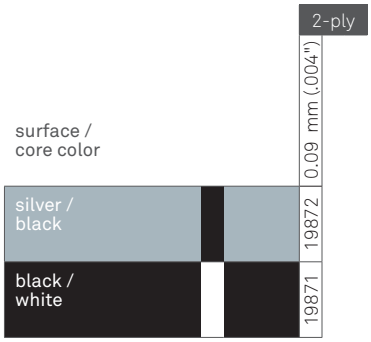
For custom colors, see Custom materials on demand p.10.

surface / core color	2-ply 0.25 mm (.01")
white / black	66984
yellow / black	66985
orange / black	66986
red / white	66997
purple / white	67002
apple green / white	67001
pine green / white	71673
sky blue / white	67000
blue / white	71670
air force blue / white	71671
brown / white	67004
brushed aluminum / black	66991
glossy silver / black	66990
Matte aluminum / black	67558
european gold / black	66989

	2-ply 0.25 mm (.01")
glossy gold / black	66988
grey / white	67003
black / white	66995

GRAVOGRAPH

Printed colors for indication only. Cannot serve as a substitute for real material sample.



BENEFITS

- Laser engraving and cutting
- Available in black/white or silver/black
- 10 meter (32') roll
- Very thin
- Delivered with adhesive backing
- Design special shapes with your CO_2 laser

APPLICATIONS

Labels, barcodes, trophy plates

SPECIFICATIONS

Finish	Matte
Composition	Acrylic
Engraving depth	0.025 mm (.001")
Full sheet	120 mm x 10m (4.75" x 32')
Half sheet	-
Quarter sheet	-
Other size	-

CAPABILITIES

Interior	■
Exterior	-
Shear	■
Saw	-
Silk screen	■
Hot stamp	-
Heat bending	-
Scratch resistant	-
Flexible	■
Break resistant	■
UV resistant	-
Min. temp.	-60°C (-76°F)
Max. temp.	200°C (400°F)

TECH TIPS

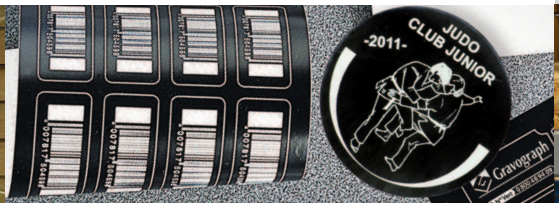
Delivered in roll, with adhesive backing.

Very good material for small labels on curved surface.

For a larger choice of colors, see Flexilase™ p.24.

Printed colors for indication only. Cannot serve as a substitute for real material sample.

GRAVOGRAPH



GRAVOSTRAT™

PREMIUM ENGRAVING MATERIALS

BENEFITS

- Phenolic material
- Low glare
- Resistant to chemicals and solvents
- Non-flammable
- Conforms to military specifications ASTM D 709 ES-1, ES-2, ES-3
- Electrically non-conductive

APPLICATIONS

Industrial identification

SPECIFICATIONS

Finish	Low glare
Composition	Rigid thermoset material
Engraving depth	0.3 mm (.012")
Full sheet	914 mm x 1220 mm (36" x 48")
Half sheet	457 mm x 12200 mm (18" x 48")
Quarter sheet	457 mm x 610 mm (18" x 24")
Other size	914 mm x 610 mm (36" x 24")

CAPABILITIES

Interior	■
Exterior	-
Shear	-
Saw	■
Silk screen	■
Hot stamp	■
Heat bending	-
Scratch resistant	■
Flexible	-
Break resistant	-
UV resistant	-
Min. temp.	0°C (30°F)
Max. temp.	93°C (200°F)

TECH TIPS

Thanks to its specific characteristics, this material is the ideal choice for all your industrial identification needs.

Gravostrat™ can be laser engraved but not laser cut.

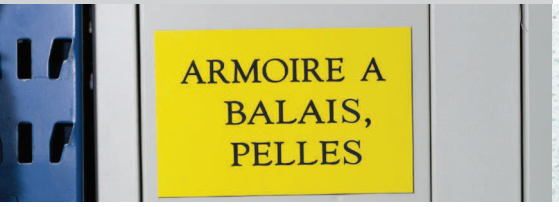
Double-sided

surface / core color	1.6 mm (1/16")	3.2 mm (1/8")
white / black	30635	30636
yellow / black	30755	30756
red / white	31117	31119
black / white	30647	30648

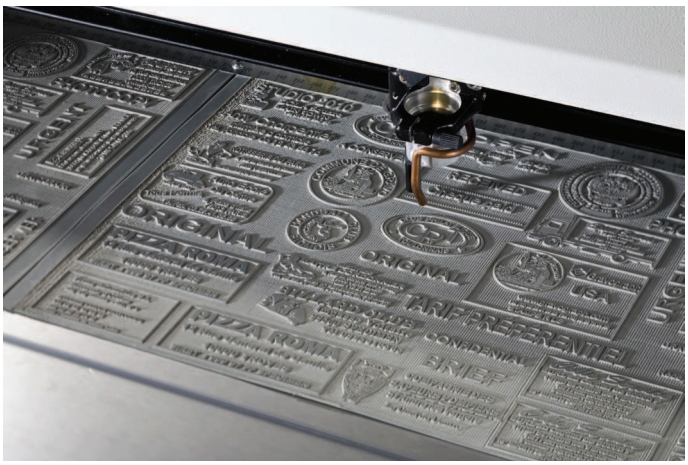
* Gravostrat™ can be laser engraved but not laser cut.
Gravostrat™ may be subject to slight variations in thickness.

GRAVOGRAPH

Printed colors for indication only. Cannot serve as a substitute for real material sample.



	2.2 mm (.087")
natural rubbalase	19897
odorless rubbalase	48542



BENEFITS

- Natural rubber sold in sheets, exclusively for lasering with CO_2 laser engraving machines to create inking stamps
- Grey in color, 2.2 mm (.087") in thickness

APPLICATIONS

Rubber stamps

SPECIFICATIONS

Finish	Grey
Composition	Rubber
Engraving depth	-
Full sheet	297 x 210 mm (A4) (11.7" x 8.3")
Half sheet	-
Quarter sheet	-
Other size	-

CAPABILITIES

Interior	■
Exterior	-
Shear	-
Saw	-
Silk screen	-
Hot stamp	-
Heat bending	-
Scratch resistant	-
Flexible	■
Break resistant	■
UV resistant	-
Min. temp.	-40°C (40°F)
Max. temp.	150°C (300°F)

TECH TIPS

The hardness of elastomers is measured on the scale "Shore A"; Rubbalase™ is measured at 60 "Shore A".

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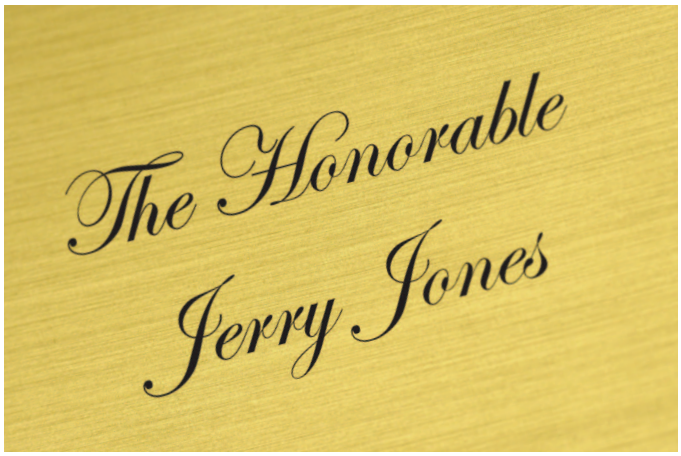
GRAVOGRAPH

surface / core color	2-ply 0.5 mm (.020")	2-ply 1.6 mm (1/16")
brushed silver / blue	18968	
brushed silver / black	18961	19003
glossy silver / black	29548	29558
brushed bronze / white	29545	29555
brushed bronze / black	29544	29554
copper / black	29546	29556
brushed gold / black	18960	19002
european gold / black	29542	29552
glossy gold / black	29543	29553



Printed colors for indication only. Cannot serve as a substitute for real material sample.

GRAVOGRAPH

BENEFITS

- Laser engraving and cutting
- 0.025 mm (.001") cap layer for detailed engraving
- 0.5 mm (.020") thickness suitable for bevelling

APPLICATIONS

Badges, trophy plates, award plaques, identification plates

SPECIFICATIONS

Finish	Metallic
Composition	DR Acrylic
Engraving depth	0.1 mm (.004")
Full sheet	1 220 mm x 610 mm (48" x 24")
Half sheet	610 mm x 610 mm (24" x 24")
Quarter sheet	610 mm x 305 mm (24" x 12")
Other size	-

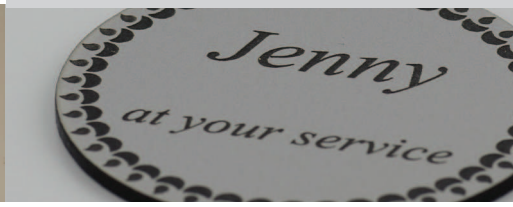
CAPABILITIES

Interior	■
Exterior	-
Shear	■
Saw	■
Silk screen	■
Hot stamp	■
Heat bending	■
Scratch resistant	■
Flexible	■
Break resistant	■
UV resistant	-
Min. temp.	-30°C (-22°F)
Max. temp.	70°C (160°F)

TECH TIPS

We offer fabrication services to prepare your badges, labels, plates, etc. All you have to do is engrave them. Contact us for more information.

For custom colors, see Custom materials on demand p.10.



METALLEX™

PREMIUM ENGRAVING MATERIALS

BENEFITS

- 2-ply silver, gold, aluminum, bronze
- Microthin surface layer
- Metallex™ is excellent for indoor applications
- Metallex™ Gloss has an extra durable, scratch resistant, glossy cap
- Metallex™ Hard Coat for a smooth, supergloss finish

APPLICATIONS

Badges, identification plates, plaques

SPECIFICATIONS

Finish	Glossy, Matte, Brushed
Composition	ABS
Engraving depth	0.1 mm (.004")
Full sheet	1220 mm x 610 mm (48" x 24")
Half sheet	610 mm x 610 mm (24" x 24")
Quarter sheet	610 mm x 305 mm (24" x 12")
Other size	-

CAPABILITIES

Interior	■
Exterior	-
Shear	■
Saw	■
Silk screen	■
Hot stamp	■
Heat bending	■
Scratch resistant	-
Flexible	■
Break resistant	■
UV resistant	-
Min. temp.	-30°C (-22°F)
Max. temp.	70°C (160°F)

TECH TIPS

Metallex™ Gloss: a glossy cap is applied, giving a slightly grainy surface for less fingermarks and higher scratch resistance.

Metallex™ Hard Coat: topcoat processing giving a smooth, super gloss finish.

For custom colors, see Custom materials on demand p.10.

Metallex™

surface / core color	2-ply 0.5 mm (.020")	2-ply 0.8 mm (1/32")	2-ply 1.5 mm (1/16")	2-ply 2.4 mm (3/32")
brushed silver / black		21825	21889	21957
brushed Aluminum / black	53221	21830	21898	21965
glossy silver / red			21902	
glossy silver / blue			21900	
glossy silver / black		21823	21887	21955
new gold / black	53222	21846	21914	21978
brushed gold / black		21824	21888	21956
european gold / black		21836	21903	21969
glossy gold / black	53223	21822	21886	21954
brushed bronze / white		21826	21890	
brushed bronze / black			21904	

Metallex™ Gloss

surface / core color	2-ply 1.5 mm (1/16")
brushed Aluminum / black	23974
glossy silver / black	23972
brushed gold / black	23973
european gold / black	23975
glossy gold / black	23971

Metallex™ Hard Coat

surface / core color	2-ply 1.5 mm (1/16")
radiant silver / black	21892
brushed Aluminum / black	21883
glossy silver / black	21882
brushed gold / black	21891
european gold / black	21884
glossy gold / black	21881

* Metallex™ products have a laserable foil cap but engraving color results can vary according to the reference. Vector cutting is not recommended.

GRAVOGRAPH

Printed colors for indication only. Cannot serve as a substitute for real material sample.

GRAVOMETALL™

PREMIUM ENGRAVING MATERIALS

BENEFITS

- Diamond, rotary, burnish and laser engraving
- Pre-polished and lacquered

APPLICATIONS

Interior signage, award plates, ornamental plates

SPECIFICATIONS

Finish	Glossy or Satin
Composition	Brass
Engraving depth	0.1 mm (.004") / 0.3 mm (.012")
Full sheet	1220 mm x 305 mm (48" x 12")
Half sheet	610 mm x 305 mm (24" x 12")
Quarter sheet	305 mm x 305 mm (12" x 12")
Other size	-

CAPABILITIES

Interior	■
Exterior	-
Shear	■
Saw	■
Silk screen	■
Hot stamp	-
Heat bending	-
Scratch resistant	-
Flexible	-
Break resistant	■
UV resistant	-
Min. temp.	-40°C (-40°F)
Max. temp.	200°C (400°F)

TECH TIPS

High quality brass varnish finish, ideal for indoor plates. You can also add a potective varnish after engraving for outdoor use.

Apply clear lacquer after engraving to avoid tarnishing.

Use Gravoxide or paint fill for contrasting letter color.

Black color is suitable for laser engraving.

Glossy

surface / core color	0.5 mm (.020")	1.2 mm (.050")
gold / gold	18407	18435
black / gold	18402	

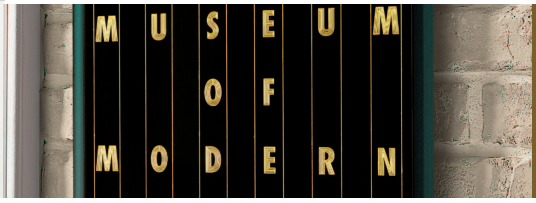
* Only black color is CO_2 laser engravable.

Satin

surface / core color	0.5 mm (.020")	0.6 mm (.025")	1.2 mm (.050")	1.6 mm (1/16")
gold / gold		18423	18438	18441
bronze / gold	18411			
silver / gold		18429		

GRAVOGRAPH

Printed colors for indication only. Cannot serve as a substitute for real material sample.

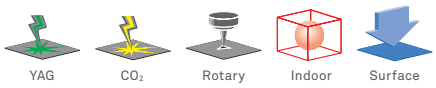


COLORED & MARBLED STEEL

PREMIUM ENGRAVING MATERIALS

BENEFITS

- Satin or glossy finish
- 0.38mm (.015") overall thickness
- Laser and rotary engraving
- Brass-plated steel



APPLICATIONS

Trophies, award plaques, gold lettering

SPECIFICATIONS

Finish	Satin or glossy
Composition	Brass plated steel
Engraving depth	0.05 mm (.002")
Full sheet	610 mm x 305 mm (24" x 12")
Half sheet	305 mm x 305 mm (12" x 12")
Quarter sheet	305 mm x 152 mm (12" x 6")
Other size	-

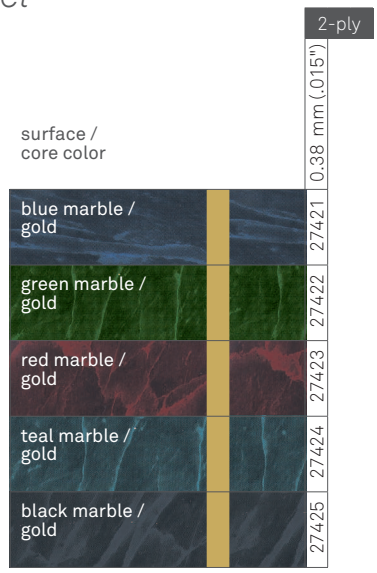
CAPABILITIES

Interior	■
Exterior	-
Shear	■
Saw	-
Silk screen	■
Hot stamp	-
Heat bending	-
Scratch resistant	■
Flexible	-
Break resistant	■
UV resistant	-
Min. temp.	-40°C (-40°F)
Max. temp.	100°C (212°F)

TECH TIPS

Use the rotating diamond cutter with the rotation turned off for bolder engraving.

Marbled Steel

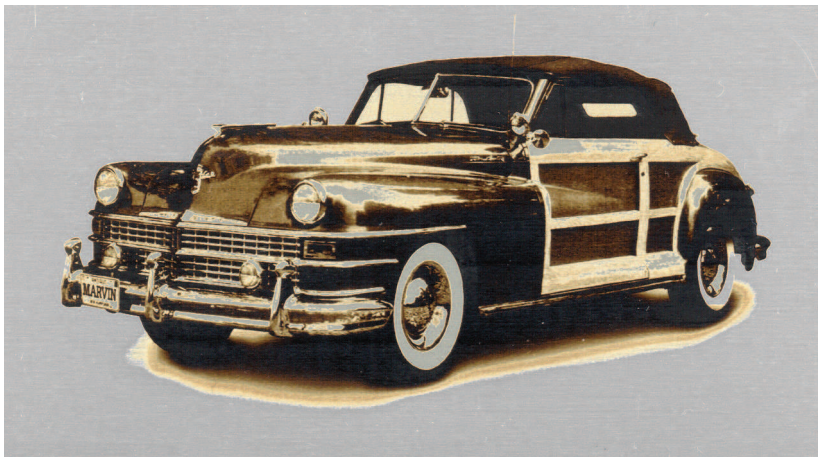


GRAVOGRAPH

Printed colors for indication only. Cannot serve as a substitute for real material sample.

surface / core color	0.127 mm(.005")*	0.5 mm (.020")	0.5 mm (.020") *
satin silver / black	27414	27417	27419
satin gold / black		27415	27416
satin brass / black		45879	45878

* Delivered with adhesive backing.



Printed colors for indication only. Cannot serve as a substitute for real material sample.

GRAVOGRAPH

BENEFITS

- This special line of gold and silver anodized aluminum returns black characters when lasered with any standard CO_2 laser engraver.
- No oxidation or paint fill needed.
- Only 6-10 watts of power required.
- Satin finish

APPLICATIONS

ID plates, bar codes, labels, control panels

SPECIFICATIONS

Finish	Satin
Composition	Aluminum
Engraving depth	0.025 mm (.001")
Full sheet	610 x 508 mm (24" x 20")
Half sheet	-
Quarter sheet	-
Other size	305 x 254 mm (12" x 10") for 0.127 mm (.005")

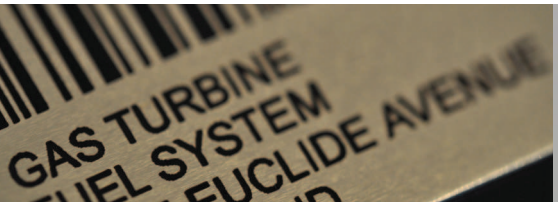
CAPABILITIES

Interior	■
Exterior	-
Shear	■
Saw	-
Silk screen	■
Hot stamp	-
Heat bending	-
Scratch resistant	-
Flexible	■
Break resistant	■
UV resistant	-
Min. temp.	0°C (30°F)
Max. temp.	100°C (220°F)

TECH TIPS

Save time with this aluminum: no need to paint fill to get a black mark.

Power sensitive material. If image is grey, reduce power. If image is tan, increase power.

Engraving quality is improved using 50% speed.

Laser power: 6 - 10 watts