



InkMark™ Substrates

BE CAREFUL
For Your Safety
Watch Your Step!
Use of Handrail is Recommended!

NO SMOKING
WITHIN 15 FEET OF ALL BUILDING ENTRANCES

CAUTION
FIRE DOOR
DO NOT BLOCK

League MVP
★ 2010 ★
Adam Smith
Little League Baseball

U13

inkmark™

Optimized to catalyze with the DCS MultiSolve™ inks to create a highly chemical- and abrasion-resistant bond.

InkMark™ is a unique new line of coated substrates that are optimized to simultaneously accept DCS's MultiSolve™ dye and clear inks in one pass. This allows the InkMark coating to catalyze with the DCS YMCK and clear MultiSolve inks to create a bond that provides a more durable image with greater resistance to many perfumes and solvents, including 100% isopropyl alcohol. Applications for InkMark include:

- Safety signs
- Name badges
- Business cards
- Recognition awards
- Interior signage
- Desk plates and door plates
- Machine tags and labeling
- Bag tags



This InkMark line contains ABS products for shear cutting and rotary engraving, as well as DR Acrylic plastics for laser marking and profiling. Custom-cut pieces are also available upon request. Please call DCS for custom on-site coating applications.

InkMark products are available in **ABS** and **DR Acrylic**. Both are available in the stock sizes listed below. Custom-cut sizes of any shape or size are available.

All products are stocked in .030" and .057" thicknesses. Other colors and thicknesses are available with minimums.

InkMark Sizes in Stock

Standard Sizes

24" x 48" (600mm x 1200mm)

12" x 24" (300mm x 600mm)

Available with square or rounded corners:

2" x 3" (50.8mm x 76.2mm)

1.5" x 3" (38.1mm x 76.2mm)

1" x 3" (25.4mm x 76.2mm)

Refer to our website/catalog for product codes for ordering.

Please call for custom cuts, colors and thicknesses, or if you require adhesive.

ABS Substrate Properties

- Profile using rotating carbide
- Score
- Cut with shears
- Bend with heat
- No predrilling required
- Suitable for interior applications

Available .030" ABS Colors:

Smooth Argent Silver over Black

Smooth Argent Gold over Black

Brushed Radiant Gold over Black

Brushed Silver over Black

Available .057" ABS Colors:

Solid Mono White

White over Black

Smooth Argent Silver over Black

Smooth Argent Gold over Black

Brushed Radiant Gold over Black

DR Acrylic Substrates Properties

- Laser cut
- Cut with rotating carbide
- Saw
- Drill
- Bend with heat
- Suitable for exterior applications

Available .030" DR Acrylic Colors:

Solid Mono White

Available .057" DR Acrylic Colors:

Solid Mono White

Brushed Aluminum over Black

Brushed Euro Gold over Black



InkMark ABS Material Specifications

Properties	Typical Values	ASTM Method
Tensile Strength:		
To break:	4,200 psi	D-638
Elongation before break:	50%	D-638
Flexural Strength:		
Load to stretch outer surface 5%	8,000 psi	D-790
Gravity:	1.05	D-792
Rockwell Hardness:	R108, M80	D-785
IZOD Impact Strength:		
Notched at 73° F (22.777° C)	2.5 ft lbs/in	D-256
Notched at 32° F (0° C)	1.6 ft lbs/in	D-256
Deflection Temperature:		
Temperature at which material deflects .010" (.254mm) at 264 psi	205° F (96.11° C)	D-648
Coefficient of Thermal Expansion:		
Inch/inch/ ° F	3.8 x 10-5	D-696

InkMark ABS softens at about 200°F (93.33°C) sufficiently so that it can be drilled, sawed, sheared, nailed, bonded and die-cut. The base material was tested for flammability by the Underwriters Laboratories. The material is rated 94 HB on the UL 94 test.

InkMark DR Acrylic Material Specifications

Properties	Typical Values	ASTM Method
Tensile Strength:		
To break:	5,400 psi	D-638
Elongation before break:	35%	D-638
Flexural Strength:		
Load to stretch outer surface 5%	7,000 psi	D-790
Gravity:	1.15	D-792
Rockwell Hardness:	R99, L77	D-785
IZOD Impact Strength:		
Notched at 73° F (22.777° C)	1.2 ft lbs/in	D-256
Notched at 32° F (0° C)	.7 ft lbs/in	D-256
Deflection Temperature:		
Temperature at which material deflects .010" (.254mm) at 264 psi	170° F (53.926° C)	D-648
Coefficient of Thermal Expansion:		
Inch/inch/ ° F	3.8 x 10-5	D-696

InkMark DR softens at about 200°F (93.33°C) sufficiently so that it can be drilled, sawed, sheared, nailed, bonded and die-cut. The base material was tested for flammability by the Underwriters Laboratories. The material is rated 94 HB on the UL 94 test.

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