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**SECTION A**

**INKS**

**AND**

**OTHER PRODUCTS**

# GENERAL PURPOSE LIQUID INKS

- ACMI offers a selection of general purpose liquid inks
- For marking film, foil, plastic, metal, glass & other nonporous substrates
- Variety of application methods including air sprayer, felt stamp pad, flexographic printer and other printing method using rubber type
- Available in a variety of dry times
- Pad life relative to dry time
- #100 and #700 will print through thin layers of moisture

ACMI #	Dry Time
#621	2-4 seconds
#627	2-4 seconds
#100	5-15 seconds
#155	15-25 seconds
#200	20-30 seconds
#239	20-30 seconds
#400	25-35 seconds
#700	50-60 seconds

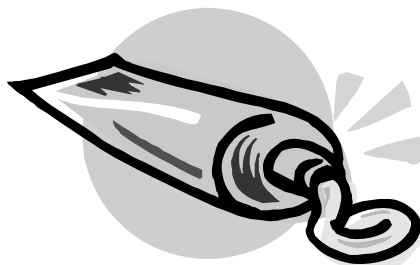


For additional information and specifications on a particular general purpose liquid ink, refer to the corresponding Data Sheet for that ink.

# GENERAL PURPOSE PASTE INKS

- ACMI offers selection of general purpose paste inks, \*1<sup>st</sup> choice to test
- Designed to be applied by direct or offset printing machines or by rubber stamp from a thin film draw down, suitable for bottom coding
- For marking on glass, metal, plastics and paper stock, both coated and uncoated
- Very stable inks with excellent color development
- Available in a variety of dry times, generally set to touch overnight
- Cure or fully reacted in 1-2 weeks
- Dry and cure times can be enhanced with application of heat to a maximum of 160° F., for example heat gun or heat tunnel

ACMI#	Relative dry time	Particular Specifications
#6402	slowest	
#6403*	medium	Meets: A-A-208b Type IV
#6404	medium slow	thicker paste
#6406	slow	
#6407	medium fast	Meets: A-A-59291 Type IV
#6408	slow	ABS
#6409	medium	nylon tubes
#6410	slow	untreated polypropylene



For additional information and specifications on a particular paste ink, refer to the corresponding Data Sheet for that ink.

## STAMP PAD INK FOR POROUS

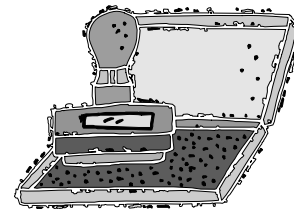
- Rubber stamp marking, excellent pad life (\*1<sup>st</sup> choice pad )
- Paper, corrugated, wood and other porous substrates
- Stamp pad, flexographic printer or other method using rubber type
- Variety of dry times

ACMI #	Dry time	Pad type
#6	2-4 seconds	*foam or felt
#8	7-10 seconds	*foam or felt
#10	20-30 seconds	porous wood
#29	25-35 seconds	*foam or felt
#212	50-60 seconds	felt or stone

## STAMP PAD INK FOR NONPOROUS

- Rubber stamp marking from cloth covered felt pad
- Plastics, metals, glass, film, foil and other nonporous substrates
- Pad life relative to inks dry time

ACMI #	Dry time
#100	5-15 seconds
#200	20-30 seconds
#400	25-35 seconds
#487	40-50 seconds
#700	50-60 seconds
#707	60-80 seconds
#2000	75-105 seconds
#2001	120-150 seconds



For additional information and specifications on a particular stamp pad ink, refer to the corresponding Data Sheet for that ink.

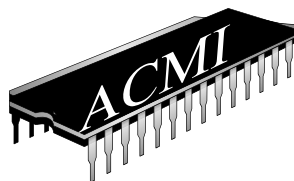
# ACMI EPOXY INK

*ONCE CURED, THEY'RE THERE FOR GOOD!*

- For all applications requiring a high degree of permanency
- Fast curing properties
- Superior adhesion to nonporous surfaces - glass, epoxy, metal, etc.
- Virtually impervious to abrasion and flux removing solvents
- Available in a wide range of colors, including EIA standard colors
- Special colors available on request

<p><b>Two-Component</b> Air or Heat Cure Meets: CID A-A-56032D Type I, II &amp; III Formerly: MIL-I-43553b</p>	<p><b>One-Component</b> Heat Cure Meets Performance requirements of: CID A-A-56032D Type I, II &amp; III</p>
<p>#6050 semi-paste #6057 ( see #6050 ) slower air dry #6060 ( see #6050 ) slowest air dry #6051 silk-screen version #6050 #6058 ( see #6051 ) slower air dry #6061 ( see #6051 ) slowest air dry</p>	<p>#6600 higher viscosity semi-paste #6601 silk-screen version #6600</p>
	<p><b>One-Component</b> Heat Cure Meets Performance requirements of: CID A-A-56032D Type I &amp; II</p>
	<p>#6100 semi-paste #6101 silk-screen version #6100 #6102 dip coding version #6100 #6602 dip coding version #6600</p>

<p><b>Two-Component</b> Air Cure Meets: MIL-C-22750c</p>	<p><b>Two-Component</b> Air or Heat cure No Military specification</p>
<p>#6010 Class I #6015 slower air dry version #6011 Class II</p>	<p>#6200 silk-screen #6202 silk-screen slower dry #6210 glass frosting silk-screen #6211 glass frosting stencil</p>



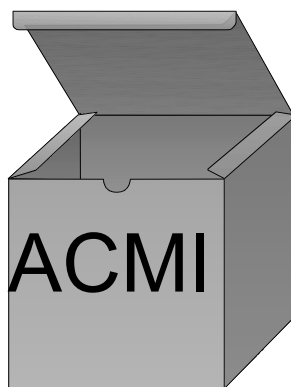
For additional information and epoxy ink, refer to the corresponding Data Sheet for that ink.

specifications on a particular

# CARTON CODING INKS

- ACMI offers selection of inks for carton coding
- For porous substrates such as corrugated cartons, paper bags and labels
- Formulated to give trouble free, clear, vivid marks
- Vary in dry time
- Applications include stamp pad, hand roller, reservoir roll or roll impregnation for use in inline coders and carton printing (see Data Sheet)
- Water base
- #18D, More intense colors

ACMI #	Dry time
#6	2-4 seconds
#8	7-10 seconds
#18D	10-15 seconds
#55N	< 1 minute
#1150	1 ½ minutes

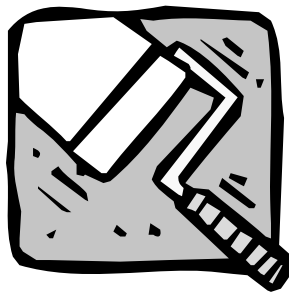


For additional information and specifications on a particular carton coding ink, refer to the corresponding Data Sheet for that ink.

# STENCILING INKS

- ACMI offers a large selection of stencil inks
- Porous and Nonporous substrates
- Available in a variety of dry times
- High viscosity inks available for stencil roller with pad or brush
- Low viscosity inks available for fountain brush or roller with valve
- Stencil inks which certify to CID A-A-208B, formerly TT-I-1795

ACMI Ink #	Porous Substrates	Nonporous Substrates	Roller with pad or brush	Fountain Brush	Certify to A-A-208B
#2000	✓	✓	✓		Type I&IV
#2001	✓	✓	✓		Type I&IV
#4134	✓	✓	✓	✓	Type I
#4130	✓		✓	✓	Type II
#4107	✓		✓	✓	Type II
#901	✓		✓		
#2211		✓	✓		
#754		✓	✓		
#2053		✓	✓		
#5200	✓		✓		

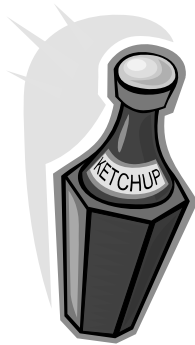


For additional information and specifications on a particular stencil ink, refer to the corresponding Data Sheet for that ink.



# NON-FDA FOOD PACKAGE INK

- ACMI offers non-FDA inks
- An effective barrier should exist between the ink marking and the food
- No reasonable chance that the food will come in contact with ink
- Standard frozen food ink\*
- Standard grocery ink \*\*
- Available in a variety of dry times
- Nonporous substrates such as coated paper, cellophane, plastic wrappers, waxed paper, polyethylene, metal, enamel and glass
- #100 and #700 will print through thin layers of moisture



ACMI #	Dry time
#627	2-4 seconds
#100*	5-15 seconds
#150**	20-30 seconds
#400	25-35 seconds
#700	50-60 seconds



For additional information and specifications on a particular non-FDA ink, refer to the corresponding Data Sheet for that ink

## **INKS with FDA INGREDIENTS**

- ACMI inks formulated with **FDA Listed** ingredients
- Acceptable for applications in limited contact with food
- Available in a variety of dry times for porous and nonporous substrates

<b>Porous Substrates</b>	<b>Nonporous Substrates</b>	<b>**New Nonporous**</b>
#930 USDA approved #931 #932	#631 #638 USDA approved #639 Popsicle sticks #640	#635 #649 - FDA wash-off

## **MEAT BRANDING INKS**

- **#1, #31, #401 & #403 Red NSF Registered inks, USDA approved**
- Direct marking on meat and poultry food products
- Low viscosity and identical except for color and ink#
- Violet most often used for meat inspection and grading
- #403 Green same formulation as #403 Red except for dyes

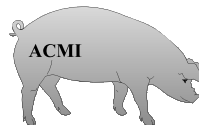


#1 Blue	#31 Violet	#401 Brown	#403 Red	#403 Green
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## **HOG TATTOO INK**

- **NSF Registered ink, USDA approved**
- High viscosity blue Tattoo for marking meat and poultry food products

#134B Blue



## **DENATURANTS**

- Diluted 3 parts water : 1 part ink
- Sprayed on inedible meats & poultry
- Also available in ready-to-use formulation

#63 Blue, Green & Yellow

For additional information and specifications on a particular ink, refer to the corresponding Data Sheet for that ink.

# TEXTILE MARKING INKS

- Laundry Marking/Dry cleaning ink, low odor
- Suitable for use in stamp pads and automatic coding machines
- Lightfast and resistant to dry cleaning fluids and detergents
- Print on wide variety of synthetic and natural fabrics

ACMI #	Color Availability
#1156	Black & few colors (dye based)
#2256	Wide range of colors (pigmented)

- Parachutes and other textiles
- Meet CID A-A-59291, formerly MIL-I-6903c
- \* Meet Spec. with exceptions
- Variety of dry times and application methods
- Waterproof, lightfast and laundry resistant

ACMI#	Dry Time	Method of Application	Type
#2023	1-1 ½ min.	stencil	Type IV
#2023A	1-1 ½ min.	stamp pad	Type I
#2043	3-5 min.	stamp pad or stencil	*Type I or IV
#2053	10 min.	Ball marker or *silk screen	Type III
#2063	6-9 min.	stamp pad or stencil	*Type I or IV



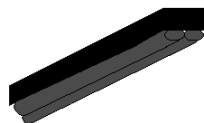
For additional information and specifications on a particular textile marking ink, refer to the corresponding Data Sheet for that ink.

# INVISIBLE INKS

- ACMI offers a selection of dye based invisible inks
- Designed to fluoresce when exposed to 380nm Ultraviolet light
- Porous and Nonporous substrates
- Available in a variety of dry times and application methods
- Standard blue fluorescence has a maximum of 450nm
- New formulation #590 available with yellow or green fluorescence
- Yellow fluorescence has a maximum of 560nm
- Green fluorescence has a maximum of 500nm

<b>Porous Substrates</b>	<b>Nonporous Substrates</b>
#505 - pen or spray	#501 - pen or spray
#506 - stamp pad or self inker	#521 - brighter version of #501
#507 - corrugated	#504 - stamp pad (#400 type)
#508 - on hands (can be used in pen)	#514 - brighter version of #504
#518 - on hands (resists chlorine)	#512 - fast dry (#100 type)
#522 - label printing (#212 type)	#515 - for coder
#528 - slower dry #508 (not for hands)	#516 - for coder/pad
#541 - printer ribbons (#4221 type)	#526 - brighter version of #516
#556 - Textiles (#1156A type)	#517 - stamp pad (#700 type)
#590 - #508 type (not for hands)	#535 - vinyl marking (#3100 type)

**Now you see it!**



**Now you don't!**



ACMI

ACMI has handheld Black Lights available for purchase, rated at 7000 hours of normal use. They emit long waves at 300-400nm.

For additional information and specifications on a particular invisible ink, refer to the corresponding Data Sheet for that ink.

# JET PRINTING INK

- ACMI offers selection of Jet Printing Inks
- Available for Drop-on-Demand or Continuous Stream
- Porous and Nonporous substrates
- Fast drying, non feathering

ACMI #	Substrate	Jet Printing Type
#1450	Porous	Drop-on-Demand
#1455	Porous	Drop-on-Demand
#431	Nonporous	Drop-on-Demand
#1400	Nonporous	Continuous Stream
#1401	Nonporous	Continuous Stream
#4900	Polypropylene	Continuous Stream



For additional information and specifications on a particular Jet Printing Ink, refer to the corresponding Data Sheet for that ink.

# POLYVINYL CHLORIDE MARKING INK

- Excellent adhesion to rigid and flexible PVC-acetate copolymer surfaces
- Variety of dry times available
- Available for several methods of application
- All pigmented and some dye based colors non-bleeding, waterproof, with excellent colorfastness to heat and light
- #3110 can be certified to MIL-I-43295a

<b>ACMI #</b>	<b>Pigment / Dye</b>	<b>Method of Application</b>	<b>Dry Time</b>
#3100	pigment	rubber stamp or stencil	1 ½ min.
#3101	pigment	rubber stamp or stencil	45 sec.
#3102	pigment	rubber stamp or stencil	30-45 sec.
#3103	pigment	silk screen	3 min.
#3104	dye	rubber stamp or stencil	1 ½ min.
#3106	pigment	rubber stamp or stencil	3-4 min.
#3109	pigment	silk screen or machine printing	3-4 min.
#3110	pigment	rubber stamp or stencil	1-1 ½ min.
#3116	pigment	Roller or Flexographic Printer	30 sec.

For additional information and specifications on a particular PVC ink, refer to the corresponding Data Sheet for that ink.

# WATER BASE FLEXOGRAPHIC INK

- ACMI offers a selection of water base flexographic ink
- Available in a variety of dry times
- For marking paper, plastic packaging, Tyvek and corrugated
- Several special application inks available

<b>ACMI #</b>	<b>Relative dry time</b>	<b>Special Application</b>
#5300	fast	Catalytic converter, mark designed to burn off with heat
#5301	<10 sec. porous 20 sec. nonporous	Catalytic converter, mark designed to burn off with heat
#5305	<10 sec. porous 3 ½ min. nonporous	air brush on doll heads
#5306	medium fast	lower viscosity
#5307	<10 sec. porous 4-4 ½min. nonporous	single dose foil packs higher viscosity than #5305
#5392	fast	For asphalt roofing material
#5395	medium fast	For asphalt roofing material
#5401	<10 sec. porous 30-45 sec. nonporous	Marking ceramic parts, resists 200°F.

For additional information and specifications on a particular water base flexographic ink, refer to the corresponding Data Sheet for that ink.

# RECONDITIONERS

Most inks occasionally require thinning, especially the rapid air drying varieties. ACMI reconditioners are designed to dilute the ink, or replace evaporated solvents, without changing drying and other properties of the ink. Reconditioners may appear clear to a pale yellow shade in the bottle and this slight shading may vary from batch to batch depending on the particular solvents in the mixture.

Ink in stamp pads will lose solvents when the pads are left open. ACMI recommends using a small amount of reconditioner on the stamp pad as necessary and especially before storage. Stamp pads should be stored in tightly sealed plastic storage bags, when not in use.

ACMI #6000 Cleaner is specifically formulated to remove fresh and partially cured **Epoxy** ink from stamps, printing machinery and substrates. The ink will become very difficult to remove if you wait too long. Each ACMI Epoxy has a thinner specifically formulated for it. To prevent poor adhesion, print quality or solvent resistance, use only the proper thinner sparingly. Age thickened Epoxy ink should not be thinned, just discarded. The chemical reaction has progressed, and it is time to obtain a fresh batch.

See the individual ink data sheet for the recommended reconditioner. ACMI does not recommend use of thinners other than the one formulated for the particular ink. Use of other thinners may adversely effect the ink.



# **MISCELLANEOUS INKS & PRODUCTS**

## **FELT TIP PEN INK**

- ACMI #4104
- Designed to be used in refillable felt tip pens
- Good intensity of color
- Dries fast on all surfaces
- Particularly good adhesion to tough to write on surfaces
- Compatible with other aromatic hydrocarbon based inks

## **FLUORESCENT INKS**

- ACMI offers a variety of standard fluorescent inks
- Made with special fluorescent colorants
- Bright, extremely visible impression in daylight
- In dim light, visible under blacklight
- Currently available for porous and nonporous substrates
- Variety of application methods
- Most of ACMI standard inks can be converted to fluorescent colors

## **ANTORBOND PRIMER**

- ACMI #7040
- Promotes the adhesion of double coated acrylic transfer tapes (PSA) too difficult to bond surfaces
- Can be used on silicone, fluorocarbon, fluorosilicone and various thermoplastics
- Allows a variety of transfer tapes to be used to obtain the desired peel strength
- Shelf life 6 months
- Made to order, not returnable

For additional information and specifications on one of these products, refer to the corresponding Data Sheet for that product.

# RESISTANT INKS

## HIGH TEMPERATURE RESISTANT INKS

- Excellent resistance to high temperature
- Require proper curing
- Suitable for nonporous substrates such as metals, glass and ceramics

ACMI #	Cure Temp.	Resistant to	Application Method
#2260	900-1200° F.	1500° F.	brush or air-spray stencil
#2262	600° F.	950° F.	roller or stamp from plate
#6821	300-500° F.	600° F.	brush or air-spray stencil
#6823	350° F.	650° F.	Rubber stamp

## ALCOHOL RESISTANT INKS

- ACMI offers alcohol resistant inks
- For nonporous substrates
- Varying dry time
- Application by rubber stamp

ACMI #	Dry time
#2610	fast
#2611	faster

For additional information and specifications on a particular temperature or alcohol resistant ink, refer to the corresponding Data Sheet for that ink.

**SECTION B**

***OTHER***

***INFORMATION***

## **GOVERNMENT SPECIFICATIONS**

The following inks have been developed to conform to the performance requirements of the listed Government Specifications. Special customer marking requirements may result in exceptions to certain parts of these specifications.

<b><u>SPECIFICATION</u></b>	<b><u>TITLE WITH TYPE or CLASS</u></b>	<b><u>ACMI INK#</u></b>
<u>A-A-208b</u> formerly-( TT-I-1795a )	Ink, Marking, Stencil, Opaque Type I : nonporous surfaces stencil brush (per spec) stamp pad or foam roller Type II: porous surfaces black colors Type III: aerosol for either surface Type IV: nonporous for stamp pads packaged in tube (per spec) packaged in bottles	   #4134 #2000  #4107 #4130  none   #6403 #2000
<u>A-A-209a</u> formerly-(TT-I-556f)	Ink, Stamp Pad Class I : fabric or foam latex rubber or foam plastic pads Class II: wooden pads	   #24 #10
<u>A-A-59291</u> formerly-(MIL-I-6903c)	Ink, Marking ( for parachutes and other textiles ) Type I : stamp pad Type II : felt pen Type III : ball point Type IV : stencil Stamp/stencil very porous surface	   #2023A none #2053 #2023 #6407

### STATEMENT OF LIABILITY

Neither the manufacturer nor the seller shall be liable for any injury, loss or damage arising out of the use of this product. The only obligations of the manufacturer or the seller shall be to replace any quantity of this product found to be defective or, at the option of the seller or manufacturer, to refund the purchase price. The purchaser or user of this product should, before use of the product, determine whether it is suitable for that use. The user assumes all risk and liability in connection with that use.

THE FOREGOING IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED

## ***American Coding and Marking Ink Co. Inc.***

1220 North Avenue, Plainfield, NJ 07062

**Phone:** 908-756-0373 **Fax:** 908-756-0570 **Web Site:** [www.americancoding.com](http://www.americancoding.com)

## GOVERNMENT SPECIFICATIONS

The following inks have been developed to conform to the performance requirements of the listed Government Specifications. Special customer marking requirements may result in exceptions to certain parts of these specifications.

<u>SPECIFICATION</u>	<u>TITLE WITH TYPE or CLASS</u>	<u>ACMI INK#</u>
<u>A-A-56032D</u> formerly(MIL-I-43553b)	Ink, Marking, Epoxy, Two-Part	
	Type I - general purpose	semi-paste #6050 silk screen #6051
	Type II- non-conductive	semi-paste #6050 silk screen #6051
	Type III- Outside Exposure	semi-paste #6050 Silk-screen #6051
<u>MIL-C-22750c</u>	Coating, Epoxy-Polyamide	
	Class I - no air pollution regs	#6010
	Class II- air pollution regs enforced	#6011
<u>MIL-I-43295a</u>	Ink, Marking, vinyl	#3110
<u>TT-I-542e</u>	Ink, Marking, Laundry, Black	#1156
<u>TT-I-544</u>	Ink, Marker, Felt Tip	#4104
<u>TT-I-549c</u>	Ink, Writing, Colored (non-permanent)	#3

### STATEMENT OF LIABILITY

Neither the manufacturer nor the seller shall be liable for any injury, loss or damage arising out of the use of this product. The only obligations of the manufacturer or the seller shall be to replace any quantity of this product found to be defective or, at the option of the seller or manufacturer, to refund the purchase price. The purchaser or user of this product should, before use of the product, determine whether it is suitable for that use. The user assumes all risk and liability in connection with that use.

THE FOREGOING IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED

## ***American Coding and Marking Ink Co. Inc.***

1220 North Avenue, Plainfield, NJ 07062

**Phone:** 908-756-0373 **Fax:** 908-756-0570 **Web Site:** [www.americancoding.com](http://www.americancoding.com)

# CUSTOM SERVICES

## ■ **Custom Ink Manufacturing:** *Our Formula, Our Materials*

ACMI is able to formulate custom inks for your particular application, if one of our standard inks does not meet your requirements. We suggest that you complete our *Ink Request Worksheet* and either fax it or email to our office staff. Our laboratory staff reviews these requests to determine whether a standard ink will meet your requirements or whether a custom formulation is necessary. Our office staff will notify you with the recommendation of our laboratory. In either case, you may purchase a sample for testing. Occasionally, a sample of your substrate may assist our lab in formulating an appropriate ink.

## ■ **Color Matching:**

Customers may require custom ink colors to meet their project requirements. ACMI's laboratory staff can match your color requirements for a one time charge. The usual lead time for a custom color match is 2 weeks, providing the necessary raw materials are on hand.

## ■ **Contract Manufacturing:** *Your formula, Our materials*

ACMI can manufacture your formulation under contract and maintain complete confidentiality. In order to determine the feasibility and cost of manufacturing your product, ACMI will review the formulation and manufacturing procedure with you. Quality control procedures will be developed, and records maintained to ensure that you receive quality product. The product can be shipped to you or anywhere else that you designate, such as your contract filling company.

## ■ **Toll Manufacturing:** *Your formula, Your materials*

ACMI can mix your product, using your formula and your materials. ACMI can review your formulation and manufacturing procedure to determine the feasibility and cost of manufacturing your product. Quality control testing can be done at our location and records maintained, or a batch sample can be pre-shipped to you for your approval. The product can be shipped to you or anywhere else that you designate, such as your contract filling company.

Please inquire with our office staff if any of these custom services are of interest to you.

# American Coding and Marking Ink Co.

INCORPORATED



1220 NORTH AVENUE  
PLAINFIELD, NJ 07062  
Phone: 908-756-0373 Fax: 908-756-0570  
Web Site: [www.americancoding.com](http://www.americancoding.com)

## INK REQUEST WORKSHEET

DATE: \_\_\_\_\_

CUSTOMER: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE# \_\_\_\_\_

FAX# \_\_\_\_\_

MILITARY SPECIFICATION: \_\_\_\_\_

METHOD OF APPLICATION: \_\_\_\_\_  
\_\_\_\_\_

SUBSTRATE: \_\_\_\_\_

PERMANENT VS .TEMPORARY: \_\_\_\_\_

DRY TIME REQUIREMENT: \_\_\_\_\_

CHEMICAL RESISTANCE: \_\_\_\_\_

HEAT RESISTANCE: \_\_\_\_\_

COLOR: \_\_\_\_\_

ANTICIPATED VOLUME: \_\_\_\_\_

OTHER: \_\_\_\_\_  
\_\_\_\_\_



Form may be mailed, faxed or filled out on ACMI's Web Site

# GLOSSARY

**ACMI:** American Coding and Marking Ink, your *favorite* ink manufacturer.

**Adhesion:** The attraction or force which holds unlike molecules together.

**Chalking:** Powdering of ink which has not adhered properly.

**CID:** Commercial Item Description

**Cured:** An ink is considered cured when it is fully reacted. Some inks cure at room temperature and some require baking to cure. Performance requirements of an ink refer to the cured ink.

**Data Sheet:** Information and specifications on a particular ACMI ink.

**Draw down:** A thin film of ink spread on paper to evaluate its shade.

**Dry time:** Evaporation of solvents to the point of handling. Dry time can be effected by room temperature as well as the thickness of the ink print.

**Dye:** A soluble coloring material.

**Fastness:** Resistance of color to fading.

**Fed. Std. 595:** Federal color standard, 1<sup>st</sup> number refers to degree of gloss  
1 = gloss, 2 = semi-gloss, 3 = lusterless

**Flashpoint:** The lowest temperature at which flammable liquids will give a flash on exposure to a flame.

**Fluorescent ink:** Ink with extreme brightness qualities which react to ultra violet light.

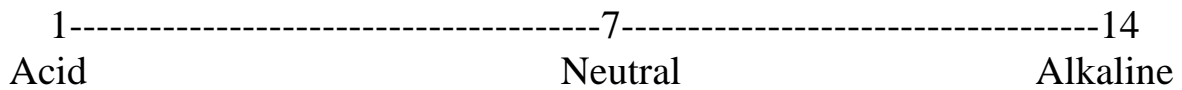
**Induction period:** The waiting period after a 2-part ink is mixed, prior to being ready for use.

**MSDS:** Material Safety Data Sheet.



**Nonporous:** Without pores such as glass, metal, plastic, coated paper and some textiles.

**pH:** A means of expressing the degree of acidity or alkalinity of a solution



Pure distilled water, which is neutral, has a pH of 7.

**Pigment:** An insoluble coloring material.

**Porous:** Having pores as in paper, corrugated, wood, skin and some textiles.

**Pot life:** The time frame during which a 2-part ink can be used after mixing.

**Reconditioner:** An ink specific mixture of solvents used for thinning the ink or replacing evaporated solvents.

**Room Temperature:** 68° F. ± 15°

**Shelf Life:** The recommended life span of an ink in storage.

**Specific Gravity:** The density of a mixture relative to water.

**Substrate:** The surface or material on which the ink is applied.

**Viscosity:** Resistance to flow; tackiness. Can be measured in centipoise or cps, water = 1cps; whereas honey = 10,000cps.

# VISCOSITY GUIDELINES

The following chart comprises the consistency for a variety of commonly used household materials at room temperature.

## Viscosity in Centipoise

## Similar in Viscosity

1 = -----	Water
500 = -----	#10 Motor oil
2,500 = -----	Pancake Syrup
10,000 = -----	Honey
25,000 = -----	Chocolate Syrup
50,000 = -----	Catsup (only Heinz )
250,000 = -----	Peanut Butter
1,000,000 = -----	Paste-Caulking

# EQUIVALENCY CHART

1 Gallon = 128 fluid ounces (or) 4 quarts (or) approximately 4 liters

1 Quart = 32 fluid ounces (or) 2 pints (or) approximately 1 liter

1 Liter = 1000 ml (or) 33.8 ounces

1 pint = 16 fluid ounces

1 ounce = 30 cc

ACMI fluid inks are available in pints, quarts or gallons and smaller sizes upon request. ACMI general purpose paste inks are available in 4oz. tubes and can be sold in a can by the pound.

ACMI #6050 epoxy 10cc clipak = 1/3 ounce

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