

Liquid inks

AF 22 20/1

TECHNICAL DATA SHEET

<u>CODE</u>	AF 22 20/1
TYPE	Reducer for N/C Inks
USES	used for Reducing nitro cellulose inks for Flexo and Roto application
APPEARANCE	Transparent
SPECIFIC GRAVITY	0.8408 ± 0.01 @ 15 °C
BOILING RANGE	(74 – 130)±5 °C
STORAGE	12 monthes at 25-30 °C

AF 5089

Product : Methanol

SPECIFICATION FOR METHANOL	
Chemical formula	CH ₃ -OH
M.W	32.04
CAS Number	67-56-1
Specific Gravity :20/20°C	0.791-0.793
Distillation Range°C ,max	1.0°C Max . (to include 64.6 °c±0.1)
Refractive Index	1.331 @ 15°C

AF 6024

TECHNICAL DATA SHEET

<u>CODE</u>	<i>AF 6024</i>
<i>TYPE</i>	<i>Reducer</i>
<i>APPEARANCE</i>	<i>Transparent</i>
SPECIFIC GRAVITY	$(0.811) \pm 0.01$
BOILING RANGE	$(75 - 85) \pm 5^{\circ} \text{C}$
STORAGE	<i>12 monthes at 25-30 °C</i>

TECHNICAL DATA SHEET

CODE	<i>AF 6095 Ethoxy Propanol</i>
<i>APPEARANCE</i>	<i>Clear Colour Less Liquid Free of Suspended Matter</i>
WATER MISCIBILITY	<i>Complete</i>
SPECIFIC GRAVITY	<i>0.899 at 15 °C</i>
BOILING RANGE	<i>130-140 °C</i>

- *Retarder for water base ink max 3%*
- *Work as cleaner and washing for the cylinders and analux .*

TECHNICAL DATA SHEET

CODE	AF 7070
TYPE	Reduce for P.V.C Inks
APPEARANCE	Clear Colour & Transparent Less Liquid Free of Suspended Matter
SPECIFIC GRAVITY	(0.8861) \pm 0.01 @ 15 °C
BOILING RANGE	(80 – 135) \pm 5 °C

TECHNICAL DATA SHEET

CODE	AF 7073
TYPE	Reduce for P.V.C Inks
APPEARANCE	Clear Colour & Transparent Less Liquid Free of Suspended Matter
SPECIFIC GRAVITY	(0.8861) \pm 0.01 @ 15 °C
BOILING RANGE	(80 – 135) \pm 5 °C

AF 2225

TECHNICAL DATA SHEET

<u>CODE</u>	AF 2225
TYPE	<i>Isopropyl Alcohol</i>
APPEARANCE	<i>Clear Color & Transparent Less Liquid Free of Suspended Matter</i>
WATER MISCIBILITY	<i>Complete</i>
SPECIFIC GRAVITY	<i>0.788 ± 0.01 @ 15 °C</i>
BOILING RANGE	<i>80 – 86 °C</i>
REFRACTIVE INDX	<i>1.377 at 15 °C</i>

TECHNICAL DATA SHEET

CODE	AF 5525
<i>TYPE</i>	Mix Of Solvents
<i>APPEARANCE</i>	Clear Colour ,Transparent & Free of Suspended Matter
SPECIFIC GRAVITY	(0.800) ± 0.01 at 15 °C
BOILING RANGE	(80-85) ± 5 °C

TECHNICAL DATA SHEET

<u>CODE</u>	AF 6095
<i>DESCRIPTION</i>	<i>Propylene Glycol Mono Ethyl Ether</i>
<i>TRADE NAME</i>	<i>(Ethoxy Propanol)</i>
<i>APPEARANCE</i>	<i>Clear Colourless Liquid Free of Suspended Matter</i>
WATER MISCIBILITY	<i>Complete Miscible</i>
SPECIFIC GRAVITY	<i>0.899 at 15 °C</i>
BOILING RANGE	<i>130-140 °C</i>

TECHNICAL DATA SHEET

<u>CODE</u>	<i>AF 6096</i>
<i>TYPE</i>	<i>Methoxy propanol</i>
<i>APPEARANCE</i>	<i>Clear Colour , Transparent & Free of Suspended Matter</i>
SPECIFIC GRAVITY	<i>(0.899) \pm0.01 at 15 °C</i>
BOILING RANGE	<i>(130-140) \pm5 °C</i>

TECHNICAL DATA SHEET

<u>CODE</u>	<i>FX 430 -106/6</i>
<i>TYPE</i>	<i>Acrylic water based flexo ink</i>
<i>USES</i>	<i>For Corrugated Carton ,Kraft paper & Cement Bages</i>
<i>PROPERTIES</i>	<ul style="list-style-type: none"> * High colour strength * Good rub resistance * Good water resistance
<u>DELIVERY VISCOSITY</u>	<i>55 ± 5 SEE. F.C.4 AT 25 °C</i>
<u>APPLICATION VISCOSITY</u>	<i>25 - 30 Sec F.C.4 AT 25 °C</i>
<u>ANTIFOAMING AGENT</u>	<i>FX 430 910 (MAX 1%)</i>
<i>RUB RESISTANCE PROMOTER</i>	<i>GF 3000 MAX .2%</i>
<i>VARNISH</i>	<i>FX 430 T (Reduce colour strength)</i> <i>FX 430 V (Increase the water resist)</i>
<u>SHELF LIFE OF THE INK</u>	<i>12 MONTHS AT (25-30°C)</i> <i>(stirr well before use)</i>
<u>REMARKS</u>	<i>Don't store the ink after dilution</i>

TECHNICAL DATA SHEET

<u>CODE</u>	FX 430 -220/6
TYPE	Acrylic water based flexo ink
USES	For Corrugated Carton ,Kraft paper & Cement Bages
PROPERTIES	<ul style="list-style-type: none"> * High colour strength * Good rub resistance * Good water resistance
<u>DELIVERY VISCOSITY</u>	55 ± 5 SEE. F.C.4 AT 25 °C
<u>APPLICATION VISCOSITY</u>	25 - 30 Sec F.C.4 AT 25 °C
<u>ANTIFOAMING AGENT</u>	FX 430 910 (MAX 1%)
RUB RESISTANCE PROMOTER	GF 3000 MAX .2%
VARNISH	<p>FX 430 T (Reduce colour strength)</p> <p>FX 430 V (Increase the water resist)</p>
<u>SHELF LIFE OF THE INK</u>	<p>12 MONTHS AT (25-30°C)</p> <p>(stirr well before use)</p>
<u>REMARKS</u>	Don't store the ink after dilution

TECHNICAL DATA SHEET

<u>CODE</u>	FX 430 -406/6
<u>TYPE</u>	Acrylic water based flexo ink
<u>USES</u>	For Corrugated Carton ,Kraft paper & Cement Bages
<u>PROPERTIES</u>	<ul style="list-style-type: none"> * High colour strength * Good rub resistance * Good water resistance
<u>DELIVERY VISCOSITY</u>	55 ± 5 SEE. F.C.4 AT 25 °C
<u>APPLICATION VISCOSITY</u>	25 - 30 Sec F.C.4 AT 25 °C
<u>ANTIFOAMING AGENT</u>	FX 430 910 (MAX 1%)
<u>RUB RESISTANCE PROMOTER</u>	GF 3000 MAX .2%
<u>VARNISH</u>	<p>FX 430 T (Reduce colour strength)</p> <p>FX 430 V (Increase the water resist)</p>
<u>SHELF LIFE OF THE INK</u>	<p>12 MONTHS AT (25-30°C)</p> <p>(stirr well before use)</p>
<u>REMARKS</u>	Don't store the ink after dilution

TECHNICAL DATA SHEET

<u>CODE</u>	<i>FX 430 -601/6</i>
<u>TYPE</u>	<i>Acrylic water based flexo ink</i>
<u>USES</u>	<i>For Corrugated Carton ,Kraft paper & Cement Bages</i>
<u>PROPERTIES</u>	<ul style="list-style-type: none"> * High colour strength * Good rub resistance * Good water resistance
<u>DELIVERY VISCOSITY</u>	<i>55 ± 5 SEE. F.C.4 AT 25 °C</i>
<u>APPLICATION VISCOSITY</u>	<i>25 - 30 Sec F.C.4 AT 25 °C</i>
<u>ANTIFOAMING AGENT</u>	<i>FX 430 910 (MAX 1%)</i>
<u>RUB RESISTANCE PROMOTER</u>	<i>GF 3000 MAX .2%</i>
<u>VARNISH</u>	<i>FX 430 T (Reduce colour strength)</i> <i>FX 430 V (Increase the water resist)</i>
<u>SHELF LIFE OF THE INK</u>	<i>12 MONTHS AT (25-30°C)</i> <i>(stirr well before use)</i>
<u>REMARKS</u>	<i>Don't store the ink after dilution</i>

TECHNICAL DATA SHEET

<u>CODE</u>	* GF 20 Series
<u>TYPE</u>	.Transparent N/C Inks based on N/C chips.
<u>USES</u>	<i>For different Types of paper ,OPP P/P film ,Polyester film, Metallized film and Low&high density P/E film.</i>
<u>PROPERTIES</u>	<ul style="list-style-type: none"> * EXCELLENT ADHESION * HIGH GLOSS * HIGH COLOUR STRENGTH * GOOD HEAT RESISTANCE
<u>DELIVERY VISCOSITY</u>	40 –50 SEC .F.C.NO.4 AT 25 °C FOR COLOURS .
<u>PRINTING VISCOSITY</u>	16 –20 SEC F.C.NO.4 AT 25 °C for Roto 20-25 SEC F.C.NO.4 AT 25 °C for Flexo
THINNER & WASHING	AF 2220/1
<u>RETARDER</u>	AF 6095 – AF 6096
<u>VARNISH</u>	GF 2225/2 –GF 22040 (Added to reduce the color strength)
<u>PRIMER</u>	ULV 300-GF 22-088 * Is print as under lacquer on metalize film to give good adhesion. * shelf life of ULV 300-GF 22-088 is three months at 25-30° c .
<u>CATALYST</u>	GF 2000/1 is added with ratio (2-5%) to the ink before printing.
<u>SHELF LIFE OF THE INK</u>	12 MONTHS AT 25 –30°C STIRR WELL BEFORE USE

TECHNICAL DATA SHEET

<u>CODE</u>	GF 22025/2
TYPE	Varnish based on Nitro cellulose kernic and poly urethan
USES	Over print Varnish and Dilution of N/C Inks used in Flexo and Roto application
<u>VISCOSITY</u>	30-35 SEC .Ford Cup NO.4 AT 25 °C
<u>PRINTING VISCOSITY</u>	16 - 20 SEC Ford Cup.NO.4 AT 25 °C for Roto 20 - 25 SEC Ford Cup.NO.4 AT 25 °C for Flexo
SOLID CONTENT	30% ± 2
THINNER	(ethyl acetate , ethyl alcohol) IPA
RETARDER	Methoxy propanol AF 6096
<u>SHELF LIFE</u>	12 Months at 25 –30 °C (stirr well before use)

TECHNICAL DATA SHEET

CODE	* GF 26 - W/3
TYPE	White Nitrocellulose Ink
USES	<i>For Different Types of P/P Film PET Film & Metalize Film and P/E Film</i>
PROPERTIES	<ul style="list-style-type: none"> * <i>Excellent Adhesion</i> * <i>High Gloss</i> * <i>High Coverage</i> * <i>Good Heat Resist</i> * <i>Good Light Fastness</i> * <i>suitable for lamination and surface printing</i>
DELIVERY VISCOSITY	40 – 50 Sec. F.C.4 at 25 °C
REDUCER SOLVENT	<p><u>Flexo</u> : (ethanol or IPA & Ethylacetate) Mixture</p> <p><u>Roto</u> : ethyl Acetate</p> <p>Retarder methoxy propanol</p>
APPLICATION	<p><i>Forsurface printing</i></p> <ul style="list-style-type: none"> - Add 2-3 % antiscratch GF500 on the total formulation - Add 2-3 % adhesion promoter GF2000/1 on the total formulation <p><i>For lamination printing</i></p> <ul style="list-style-type: none"> - Add 1% adhesion promoter GF2000/1 after testing the ink adhesion
PRIMER	<ul style="list-style-type: none"> - ULV 300 –GF 22088 - It is printed as under laquer on metallize film to give good adhesion
SHELF LIFE OF THE INK	12 Months at 25 –30°C Without Catalyst (Stirr Well Before Use)

TECHNICAL DATA SHEET

CODE	* GF 26 - W/4
TYPE	White Nitrocellulose Ink
USES	<i>For Different Types of P/P Film PET Film & Metalize Film and P/E Film</i>
PROPERTIES	<ul style="list-style-type: none"> * <i>Excellent Adhesion</i> * <i>High Gloss</i> * <i>High Coverage</i> * <i>Good Heat Resist</i> * <i>Good Light Fastness</i> * <i>suitable for lamination and surface printing</i>
DELIVERY VISCOSITY	40 – 50 Sec. F.C.4 at 25 °C
REDUCER SOLVENT	<p><u>Flexo</u> : (ethanol or IPA & Ethylacetate) Mixture</p> <p><u>Roto</u> : ethyl Acetate</p> <p>Retarder methoxy propanol</p>
APPLICATION	<p><i>Forsurface printing</i></p> <ul style="list-style-type: none"> - Add 2-3 % antiscratch GF500 on the total formulation - Add 2-3 % adhesion promoter GF2000/1 on the total formulation <p><i>For lamination printing</i></p> <ul style="list-style-type: none"> - Add 1% adhesion promoter GF2000/1 after testing the ink adhesion
PRIMER	<ul style="list-style-type: none"> - ULV 300 –GF 22088 - It is printed as under laquer on metallize film to give good adhesion
SHELF LIFE OF THE INK	12 Months at 25 –30°C Without Catalyst (Stirr Well Before Use)

TECHNICAL DATA SHEET

CODE	* GF 28 - W/6
TYPE	White Nitrocellulose Ink
USES	<i>For Different Types of P/P Film PET Film & Metalize Film and P/E Film</i>
PROPERTIES	<ul style="list-style-type: none"> * <i>Excellent Adhesion</i> * <i>High Gloss</i> * <i>High Coverage</i> * <i>Good Heat Resist</i> * <i>Good Light Fastness</i> * <i>suitable for lamination and surface printing</i>
DELIVERY VISCOSITY	40 – 50 Sec. F.C.4 at 25 °C
REDUCER SOLVENT	<p>Flexo : (ethanol or IPA & Ethylacetate) Mixture</p> <p>Roto : ethyl Acetate</p> <p>Retarder methoxy propanol</p>
APPLICATION	<p><i>Forsurface printing</i></p> <ul style="list-style-type: none"> - Add 2-3 % antiscratch GF500 on the total formulation - Add 2-3 % adhesion promoter GF2000/1 on the total formulation <p><i>For lamination printing</i></p> <ul style="list-style-type: none"> - Add 1% adhesion promoter GF2000/1 after testing the ink adhesion
PRIMER	<ul style="list-style-type: none"> - ULV 300 –GF 22088 - It is printed as under laquer on metallize film to give good adhesion
SHELF LIFE OF THE INK	12 Months at 25 –30°C Without Catalyst (Stirr Well Before Use)

TECHNICAL DATA SHEET

CODE	* GF 26 - W/4
TYPE	White Nitrocellulose Ink
USES	<i>For Different Types of P/P Film PET Film & Metalize Film and P/E Film</i>
PROPERTIES	<ul style="list-style-type: none"> * <i>Excellent Adhesion</i> * <i>High Gloss</i> * <i>High Coverage</i> * <i>Good Heat Resist</i> * <i>Good Light Fastness</i> * <i>suitable for lamination and surface printing</i>
DELIVERY VISCOSITY	40 – 50 Sec. F.C.4 at 25 °C
REDUCER SOLVENT	<p>Flexo : (ethanol or IPA & Ethylacetate) Mixture</p> <p>Roto : ethyl Acetate</p> <p>Retarder methoxy propanol</p>
APPLICATION	<p><i>For surface printing</i></p> <ul style="list-style-type: none"> - Add 2-3 % antiscratch GF500 on the total formulation - Add 2-3 % adhesion promoter GF2000/1 on the total formulation <p><i>For lamination printing</i></p> <ul style="list-style-type: none"> - Add 1% adhesion promoter GF2000/1 after testing the ink adhesion
PRIMER	<ul style="list-style-type: none"> - ULV 300 –GF 22088 - It is printed as under laquer on metallize film to give good adhesion
SHELF LIFE OF THE INK	12 Months at 25 –30°C Without Catalyst (Stirr Well Before Use)

TECHNICAL DATA SHEET

<u>CODE</u>	GLF 100
TYPE	FLEXO POLYAMIDE INK
USES	<i>For high & low density polyethylene film</i>
PROPERTIES	<ul style="list-style-type: none">* High colour strength* High gloss* Good adhesion* Good rub resistance* Good oil resistance
<u>DELIVERY VISCOSITY</u>	35 - 45 SEC .Ford Cup NO.4 AT 25 °C
<u>PRINTING VISCOSITY</u>	25 - 30 SEC Ford Cup.NO.4 AT 25 °C
Reducer Thinner	AF 5525- AF 59200
RETARDER	AF6095- AF 6096
VARNISH	GF 5925 (Is added to reduce colour strength)
<u>SHELF LIFE</u>	12 Months at 25 –30°C (stirr well before use)

TECHNICAL DATA SHEET

<u>CODE</u>	* GF 21 Series
<u>TYPE</u>	.Transparent N/C Inks based on N/C chips.
<u>USES</u>	<i>For different Types of paper ,OPP P/P film ,Polyester film, Metallized film and Low&high density P/E film.</i>
<u>PROPERTIES</u>	<ul style="list-style-type: none"> * EXCELLENT ADHESION * HIGH GLOSS * HIGH COLOUR STRENGTH * GOOD HEAT RESISTANCE
<u>DELIVERY VISCOSITY</u>	40 –50 SEC .F.C.NO.4 AT 25 °C FOR COLOURS .
<u>PRINTING VISCOSITY</u>	16 –20 SEC F.C.NO.4 AT 25 °C for Roto 20-25 SEC F.C.NO.4 AT 25 °C for Flexo
THINNER & WASHING	<i>AF 2220/1</i>
<u>RETARDER</u>	AF 6095 – AF 6096
<u>VARNISH</u>	GF 2225/2 –GF 22040 (<i>Added to reduce the color strength</i>)
<u>PRIMER</u>	ULV 300-GF 22-088 * Is print as under lacquer on metalize film to give good adhesion. * shelf life of ULV 300-GF 22-088 is three months at 25-30° c .
<u>CATALYST</u>	GF 2000/1 is added with ratio (2-5%) to the ink before printing.
<u>SHELF LIFE OF THE INK</u>	12 MONTHS AT 25 –30°C <i>STIRR WELL BEFORE USE</i>

TECHNICAL DATA SHEET

CODE	* GF 27 Series
TYPE	.Transparent N/C Inks based on N/C chips.
USES	<i>For different Types of paper ,OPP P/P film ,Polyester film, Metallized film and Low&high density P/E film.</i>
PROPERTIES	<ul style="list-style-type: none"> * EXCELLENT ADHESION * HIGH GLOSS * HIGH COLOUR STRENGTH * GOOD HEAT RESISTANCE
DELIVERY VISCOSITY	40 –50 SEC .F.C.NO.4 AT 25 °C FOR COLOURS .
PRINTING VISCOSITY	16 –20 SEC F.C.NO.4 AT 25 °C for Roto 20-25 SEC F.C.NO.4 AT 25 °C for Flexo
THINNER & WASHING	<i>AF 2220/1</i>
RETARDER	AF 6095 – AF 6096
VARNISH	GF 2225/2 –GF 22040 (<i>Added to reduce the color strength</i>)

<u>PRIMER</u>	ULV 300-GF 22-088 <i>* Is print as under lacquer on metalize film to give good adhesion.</i> <i>* shelf life of ULV 300-GF 22-088 is three months at 25-30° c .</i>
<u>CATALYST</u>	<i>GF 2000/1 is added with ratio (2-5%) to the ink before printing.</i>
<u>SHELF LIFE OF THE INK</u>	12 MONTHS AT 25 –30°C <i>STIRR WELL BEFORE USE</i>

TECHNICAL DATA SHEET

CODE	* GF 28 /5 Series for Rotogravure
TYPE	Mono Solvent (Ethyl Acetate) Nitrocellulose Base Ink
USES	<i>For Different Types of Paper Polyproplene film, Polyestet film Metalize Film</i>
PROPERTIES	<ul style="list-style-type: none"> * <i>Excellent Adhesion</i> * <i>High Gloss</i> * <i>High Colour Strength</i> * <i>Good Heat Resistance</i>
DELIVERY VISCOSITY	60 – 65 Sec. F.C.4 at 25 °C
PRINTING VISCOSITY	16 –20 Sec F.C.NO.4 at 25 °C (Roto)
THINNER & WASHING	<i>AG 6070 Ethyl Acetate</i>
RETARDER	AF 6095 –AF 6096
VARNISH	GF 2825/5 Mono Solvent (Is added to reduce Colour Strength)
WAX	GF 500 – For Slipping & Scratch
CATALYST	GF2000/1 is added with ratio (2-5%) to the ink before printing.
SHELF LIFE OF THE INK	12 Months at 25 –30°C (Stirr Well Before Use)

TECHNICAL DATA SHEET

<u>CODE</u>	<i>GF22 GP /2 Gold paste GF22 GM /2 Gold Medium</i>
TYPE	<i>Mix 1:1 gold paste :gold medium Flexo & Rotogravure Ink .</i>
USES	<i>For Surface & Reuerse Polyproplene film ,Polyester film and metallized film.</i>
PROPERTIES	<ul style="list-style-type: none"> * Excellent Adhesion * High Gloss * High Colour * Good Heat Resistance
<u>DELIVERY VISCOSITY</u>	<i>40 –50 sec .F.C.No.4 at 25 °C</i>
<u>PRINTING VISCOSITY</u>	<i>20 –25 SEC F.C.NO.4 AT 25 °C for Flxo 14 – 16 Sec. F.C.4 at 25 °C for Roto</i>
THINNER	<i>AF 2220/1</i>
<u>RETARDER</u>	<i>AF 6095 –AF 6096</i>
<u>SHELF LIFE OF THE INK</u>	<i>12 Months at 25–30 °C (keep the Gold paste Paste and the medium seprately)</i>

Notice

- Don't mix the gold ink with any type of inks
- *Do not store the ink affter mixing & dilution*

TECHNICAL DATA SHEET

<u>CODE</u>	<i>GF22 /2 SERIES</i>
TYPE	<i>Flexo & Rotogravure Nitrocellulose Ink .</i>
USES	<i>For Surface & Reverse Polyproplene film ,Polyester film Metalize & High , low Density Polyethylene film</i>
PROPERTIES	<ul style="list-style-type: none"> * <i>Excellent Adhesion</i> * <i>High Gloss</i> * <i>High Colour</i> * <i>Good Heat Resistance</i>
<u>DELIVERY VISCOSITY</u>	<i>40 –50 SEC .F.C.NO.4 AT 25 °C</i>
<u>PRINTING VISCOSITY</u>	<i>20 –25 SEC F.C.NO.4 AT 25 °C for Flxo</i> <i>14 – 16 Sec. F.C.4 at 25 °C for Roto</i>
THINNER	<i>AF 2220/1</i>
<u>RETARDER</u>	<i>AF 6095 –AF 6096</i>
VARNISH	<i>GF 2225/2 –GF 22040 (Added to reduce the color strength)</i>
<u>PRIMER</u>	<i>ULV 300-GF 22-088</i> <ul style="list-style-type: none"> * <i>Is print as under lacquer on metalize film to give good adhesion.</i> * <i>shelf life of ULV 300-GF 22-088 is three months at 25-30° c .</i>
<u>CATALYST</u>	<i>GF 2000/1 Is Added with Roto(2-5%) to the ink before printing.</i>

SHELF LIFE OF THE INK

12 months at 25 –30
(*Stirr well Before USE*)

TECHNICAL DATA SHEET

<u>CODE</u>	<i>GP 55 – Gold Paste</i> <i>GP 55 – Gold Medium</i>	<i>For Gold Ink</i>
	<i>GP 55 – Silver Paste</i> <i>GM 55 – Silver Medium</i>	<i>For Silver Ink</i>
TYPE	<i>Flexo Poly Amide Gold Ink Silver Ink</i>	
USES	<i>For High & Low Density Polyethylene Film</i>	
PROPERTIES	<ul style="list-style-type: none"> * High Strength * High gloss * Good Adhesion * Good Rub Resistance 	
<u>PRINTING VISCOSITY</u>	<i>25 - 30 SEC F.C.NO.4 AT 25 °C</i>	
Reducer Thinner	<i>AF 5525-AF 59200</i>	
RETARDER	<i>AF 6095- AF 6096</i>	
PRINTING	<ul style="list-style-type: none"> - Just before printing mix will gold paste to gold Medium with ratio 1:1 & adjust the print viscosity with the reducer. - Notice , don't store the ink affter mixing & dilution - Silver application is simillar as Gold Ink 	
<u>SHELF LIFE OF THE INK</u>	<i>12 Months at 25–30 °C (keep the Gold paste-Silver Paste and the medium seprately)</i>	

TECHNICAL DATA SHEET

<u>CODE</u>	<i>GF 59 SERIES</i>
TYPE	<i>FLEXO POLYAMIDE INK</i>
USES	<i>For high & low density polyethylene film</i>
PROPERTIES	<ul style="list-style-type: none">* High colour strength* High gloss* Good adhesion* Good rub resistance* Good oil resistance
<u>DELIVERY VISCOSITY</u>	<i>35 - 45 SEC .Ford Cup NO.4 AT 25 °C</i>
<u>PRINTING VISCOSITY</u>	<i>25 - 30 SEC Ford Cup.NO.4 AT 25 °C</i>
Reducer Thinner	<i>AF 5525- AF 59200</i>
RETARDER	<i>AF6095- AF 6096</i>
VARNISH	<i>GF 5925 (Is added to reduce colour strength)</i>
<u>SHELF LIFE</u>	<i>12 Months at 25 –30°C (stirr well before use)</i>

TECHNICAL DATA SHEET

<u>CODE</u>	<i>FX 430 Series</i>
<u>TYPE</u>	<i>Acrylic water based flexo ink</i>
<u>USES</u>	<i>For Corrugated Carton ,Kraft paper & Cement Bages</i>
<u>PROPERTIES</u>	<ul style="list-style-type: none"> * <i>High colour strength</i> * <i>Good rub resistance</i> * <i>Good water resistance</i>
<u>DELIVERY VISCOSITY</u>	<i>50 ± 5 SEE. F.C.4 AT 25 °C</i>
<u>APPLICATION VISCOSITY</u>	<i>25 - 30 Sec F.C.4 AT 25 °C</i>
<u>ANTIFOAMING AGENT</u>	<i>FX 430 910 (MAX 1%)</i>
<u>RUB RESISTANCE PROMOTER</u>	<i>GF 3000 MAX .2%</i>
<u>VARNISH</u>	<i>FX 430 T (Reduce colour strength)</i> <i>FX 430 V (Increase the water resist)</i>
<u>SHELF LIFE OF THE INK</u>	<i>12 MONTHS AT (25-30°C)</i> <i>(stirr well before use)</i>
<u>REMARKS</u>	<i>Don't store the ink after dilution</i>

TECHNICAL DATA SHEET

<u>CODE</u>	<i>FX 430 - 108</i>
<u>TYPE</u>	<i>ACRYLIC WATER BASED FLEXO INK</i>
<u>USES</u>	<i>FOR CORRUGATED CARTON, KRAFT PAPER & CEMENT BAGS</i>
<u>PROPERTIES</u>	<ul style="list-style-type: none"> <i>* HIGH COLOUR STRENGTH</i> <i>* GOOD RUB RESISTANCE</i> <i>* GOOD WATER RESISTANCE</i>
<u>DELIVERY VISCOSITY</u>	<i>40 - 45 sec. F.C.4 AT 25 °C</i>
<u>APPLICATION VISCOSITY</u>	<i>20 - 25 Sec F.C.4 AT 25 °C</i>
<u>ANTIFOAMING AGENT</u>	<i>FX 430 910 (MAX 1%)</i>
<u>RUB RESISTANCE PROMOTER</u>	<i>GF 3000 MAX .2%</i>
<u>VARNISH</u>	<i>FX 430 T (Reduce colour strength)</i> <i>FX 430 V (Increase the water resist)</i>
<u>SHELF LIFE OF THE INK</u>	<i>12 MONTHS AT (25-30°C)</i> <i>(STIRR WELL BEFORE USE)</i>
<u>REMARKS</u>	<i>Don't store the ink after dilution</i>

TECHNICAL DATA SHEET

<u>CODE</u>	GF 22 045
TYPE	Nitrocelluose Varnish.
USES	Dilution the color strength of N/C Inks for Flexo and Roto applications
<u>VISCOSITY</u>	35 ± 5 SEC .Ford Cup NO.4 AT 25 °C
SOLID CONTENT	15% ±1
THINNER	Ethyl acetate, Ethyl alc and IPA
RETARDER	Methoxy propanol
<u>STORAGE</u>	12 Months in cool and dry place at 25 –30 °C

TECHNICAL DATA SHEET

<u>CODE</u>	GF 22040
TYPE	<i>Nitrocellulose Varnishes</i>
USES	Dilution the color strength of N/C Inks for Flexo and Roto applications
<u>VISCOSITY</u>	45 ± 5 SEC .Ford Cup NO.4 AT 25 °C
<u>Solid content</u>	27% ± 2
THINNER	<i>Ethyl Acetate ,Ethyl Alc and IPA</i>
RETARDER	<i>Methoxy Propanol</i>
<u>SHELF LIFE</u>	12 Months in cool and dry place at 25 –30 °C

AF 2225

TECHNICAL DATA SHEET

<u>CODE</u>	AF 2225
TYPE	<i>Isopropyl Alcohol</i>
APPEARANCE	<i>Clear Color & Transparent Less Liquid Free of Suspended Matter</i>
WATER MISCIBILITY	<i>Complete</i>
SPECIFIC GRAVITY	<i>0.788 ± 0.01 @ 15 °C</i>
BOILING RANGE	<i>80 – 86 °C</i>
REFRACTIVE INDX	<i>1.377 at 15 °C</i>

TECHNICAL DATA SHEET

<u>CODE</u>	GF22 SP /2 Silver paste GF22 SM /2 Silver Medium
<u>TYPE</u>	Flexo & Rotogravure Ink .
<u>USES</u>	For different Types of paper ,OPP P/P film ,Polyester film, Metallized film and Low&high density P/E film.
<u>PROPERTIES</u>	<ul style="list-style-type: none"> * Excellent Adhesion * High Gloss * High Colour * Good Heat Resistance * Good Light Fastness
<u>DELIVERY VISCOSITY</u> GF22 SM/2	55 –65 sec .F.C.No.4 at 25 °C
<u>PRINTING VISCOSITY</u>	20 –25 SEC F.C.NO.4 AT 25 °C for Flxo 14 – 16 Sec. F.C.4 at 25 °C for Roto
<u>THINNER</u>	AF 2220/1
<u>RETARDER</u>	AF 6095 –AF 6096
<u>SHELF LIFE OF THE INK</u>	12 Months at 25–30 °C (keep the Silver paste and the medium separately)
<u>Mixing</u>	Mix 1:1 Silver paste :Silver medium Flexo & Rotogravure Ink .
<u>Solid content GF22 SP/2</u>	65-67 %
<u>Solid content GF22 SM/2</u>	28-33%

TECHNICAL DATA SHEET

<u>CODE</u>	GF29 025M
TYPE	Flexo & Rotogravure Nitrocellulose Matting Varnish .
USES	For different Types of paper ,OPP P/P film ,Polyester film, Metallized film and Low&high density P/E film.
Mixing	Added 10-20 % to N/C Inks
<u>DELIVERY VISCOSITY</u>	40 –50 SEC .F.C.NO.4 AT 25 °C
<u>PRINTING VISCOSITY</u>	20 –25 SEC F.C.NO.4 AT 25 °C for Flxo 14 – 16 Sec. F.C.4 at 25 °C for Roto
THINNER	AF 2220/1
<u>RETARDER</u>	AF 6095 –AF 6096
<u>CATALYST</u>	GF 2000/1 Is Added with Roto(2-5%) to the ink before printing.
<u>SHELF LIFE OF THE INK</u>	12 months at 25 –30 without Catalyst (Stirr well Before USE)

TECHNICAL DATA SHEET
For Rotogravure Inks

<i>CODE</i>	<ul style="list-style-type: none">- G 60 – 102 (Black Rotogravure Ink)- G 60 – 200 (Cyane Rotogravure Ink)- G 60 – 600 (Magenta Rotogravure Ink)- G 60 – 800 (Yellow Rotogravure Ink)
<i>BASE</i>	N/C – Solvent Base
<i>Uses</i>	For the Cigarette paper
SOLID CONTENT	43 % ± 2
<i>YIELD VISCOSITY</i>	45 ± 5 sec F.C 4 @ 25 °C
<i>SPECIFIC GRAVITY</i>	0.95 – 1.0
<i>COLUR STRENGTH</i>	High Colour Strength
<i>HEAT RESISTANCE</i>	180 – 200 °C
<i>SHELF LIFE</i>	12 Months at 25 °C – 30 °C
<i>NOTICE</i>	<ul style="list-style-type: none">- Sterr well before using- Store the ink at 25 °C – 30 °C & avoid sun rays

المواصفات الفنية للورنيشات

=====

1 - OV 67 2 - OV 68 Water Base over print vash.	الصف
جميع أنواع الورق والكرتون يستخدم بطريقة الفلكسو والروتوجرافيور عند السرعات العالية	الأسطح الطباعية
40 - 45 ثانية بمقياس Ford cup 4 عند 25 م	لزوجة التوريد
يستخدم الماء	التخفيف
لا تقل عن 40%	نسبة المواد الصلبة
9 - 8	PH
* ذات درجة عالية من النعومة واللمعان * مقاوم للاحتكاك * ذات درجة عالية من الشفافية * لا يحتوي علي الطولوين * لا يحتوي علي تراي ايثيلين	الخواص والمميزات
- يخزن في درجة حرارة لا تتجاوز 30 م - لا يعرض لضوء الشمس المباشر - يخزن في أماكن مغلقة جيدة التهوية - مدة التخزين 6 شهور من تاريخ الإنتاج - يراعى التقليب الجيد قبل الاستخدام - يراعى عدم تخزين الورنيش بعد التخفيف	التخزين

TECHNICAL DATE SHEET	
CODE	: GF 2000/1
TYPE	: Adhesion promoter for N/C Inks
	GF 22-GF27- GF 26
Viscosity	: 10-14 sec F.C No4 at 25°c
S.C at 15°c	: (0.9365± 0.01)
APPLICATION	:add 2-5 % to the ink to improve the adhesion on the substrates (P/P FILM – P/ET Film – P/E Film and Metalize Film).
Shelf life	: 12 Months at 25°c
Important Remarks	: Don't Store the ink after adding the adhesion promoter (GF2000/1)

المواصفات الفنية للورنيشات

=====

OV66 Water Base over print wash.	الصف
جميع أنواع الورق والكرتون يستخدم بطريقة الفلكسو والروتوجرافياور	الأسطح الطباعية
م عند 40Ford cup 425 – 45 ثانية بمقياس	لزوجة التوريد
يستخدم الماء	التخفيف
لا تقل عن 40%	نسبة المواد الصلبة
9 - 8	PH
* ذات درجة عالية من النعومة واللمعان * مقاوم للاحتكاك * ذات درجة عالية من الشفافية	<u>الخواص والمميزات</u>
م - يخزن في درجة حرارة لا تتجاوز 30 - لا يعرض لضوء الشمس المباشر - يخزن في أماكن مغلقة جيدة التهوية - مدة التخزين 6 شهور من تاريخ الإنتاج - يراعى التقليب الجيد قبل الاستخدام - يراعى عدم تخزين الورنيش بعد التخفيف	<u>التخزين</u>

المرن والصلب P.V.C أحبار فلكسو جرافي & روتوجرافيور لطباعة

FLEXOGRAPHIC & ROTOGRAVURE INKS FOR

FELXIBLE & REGIDE P.V.C

الصنف	GF 70 SERIES :
لزوجة التوريد	: 40-35 ثانية بجهاز Zhan cup 2 عند 25م
لزوجة الطباعة	: 20-16 ثانية بجهاز Zhan cup 2 في حالة الروتوجرافيور
	: 30-25 ثانية بجهاز Zhan cup 2 في حالة الفلكسو جرافي
التخفيف	AF 7070 :
التنظيف والغسيل	AF 6095 :
الورنيش	: OV 70 يضاف الورنيش إلى الأحبار في حالة الرغبة لاختزال قوة اللون

الخواص والمميزات :

1. ذات قوة التصاق عالية .
2. مقاوم للاحتكاك .
3. مقاوم لتأثير الضوء .
4. ذات مرونة عالية .
5. متعدد الألوان .

التخزين :

1. يخزن في درجة حرارة لا تتجاوز 30م .
2. لا يعرض لضوء الشمس المباشر .
3. يخزن في أماكن مغلقة جيدة التهوية .
4. مدة التخزين ستة شهور من تاريخ الإنتاج .
5. يراعى التقليب الجيد قبل الاستخدام .
6. يراعى عدم تخزين الأحبار بعد التخفيف لتجنب الترسيب .

المواصفات الفنية للمذيبات

=====

خلات الايثيل- مذيب منشط	الصف
1- AG 6070	رقم الصف
2- AG 6070/2	
م (0.900 – 0.905) عند 15	الكثافة النوعية
م (م - 81) 74	درجة الغليان
خال من الماء	نسبة الماء

المواصفات الفنية للمذيبيات

=====

الصنف	مذيب الأحبار الألوان الروتو جرافيور
رقم الصنف	1- AG 6065 2- AG 6065/2
الكثافة النوعية	(0.850 – 0.880) عند 15 ° م
درجة الغليان	(71 ° م - 81 ° م) ° م
نسبة الماء	خال من الماء
الخواص	* قادر على إذابة جميع أنواع الأحبار الخاصة بطباعة الروتوجرافيور ولا يحتاج إلى إضافة أي منشط * يتطاير بالكامل بعد الطباعة ولا يتخلف عنة بواقي أو روائح * ليست له رائحة نفاذة أو مهيجة للجهاز التنفسي * ليست له أضرار صحية * ليست له اثر سام أو ضار على الجلد * ليس له تأثير ضار على ماكينات الطباعة وملحقاتها * خال تماما من الميثانول * ذات نقاوة عالية وشفاف

المواصفات الفنية للمذيبيات

=====

الصف	مذيبي خاص للحبر الذهبي
رقم الصف	1- AG 6080 2- AG 6080/2
الكثافة النوعية	(0.890 – 0.910) عند 15 ° م
درجة الغليان	(74 ° م - 120 ° م)
نسبة الماء	خال من الماء
الخواص	* قادر على إذابة الحبر الذهبي الخاص بطباعة الروتوجرافيلور ولا يحتاج إلى إضافة أي منشط * يتطاير بالكامل بعد الطباعة ولا يتخلف عنه بواقي أو روائح * ليست له رائحة نفاذة أو مهيجة للجهاز التنفسي * ليست له أضرار صحية * ليست له اثر سام أو ضار على الجلد * ليس له تأثير ضار على ماكينات الطباعة وملحقاتها * خال تماما من الميثانول * ذات نقاوة عالية وشفاف