

Waterbase Inks

ARBITEX-The Texturize / Rubberize Inks Series

Perfect for printing vibrant
rubberized yet soft
textured designs



ARBITEX
 SERIES



The Arbitex Series is perfect for printing vibrant rubberized yet soft textured design; so thin to touch yet meant to stand out. Ideal for printing on cotton and cotton-polyester blend fabrics.

Arbitex Series	Application	Substrate	
		White	Coloured
Clear UNI / MEG / W2	Clear Direct Print	✓	
Matte MM / M2	Matte Direct Print	✓	✓
White MS / S2 / HP	White Direct Print		✓

Product Properties	
Appearance	High Viscous Paste
Viscosity	70,000-100,000 cps (Viscometer Rotor No. 7 20/rpm (at 25 °C))
pH	8.5 - 9.5 (at 25 °C)
Ionic Charge	Anionic

Advantages

- So thin to touch
- Soft hand feel
- Excellent wet / dry abrasion / washing resistance
- Good color fastness
- No delaminating with proper curing

Screen Mesh

- Monofilament polyester meshes from 123T (49cm).

Typical Formulation

PRODUCT NAME	%	%	%	%
Arbitex Clear	95	0	0	0
Arbitex Matte	0	95	0	70
Arbitex White	0	0	100	25
Pigment Resin Color	5	5	0	5
TOTAL	100	100	100	100

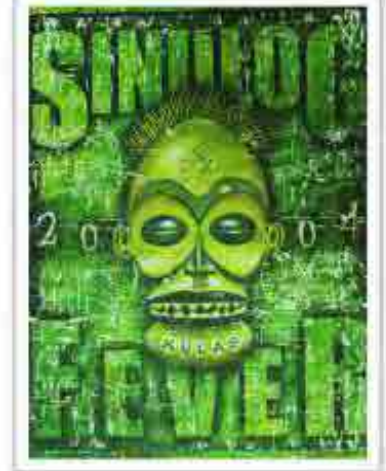
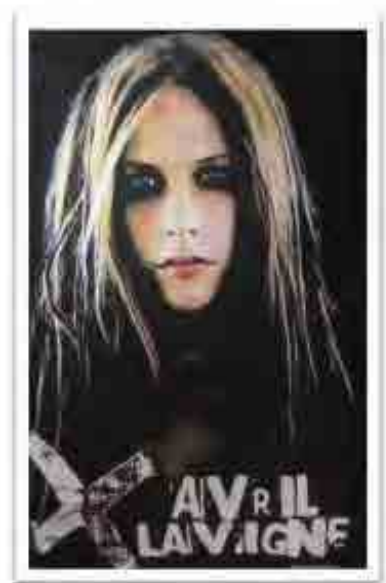
Printing Process

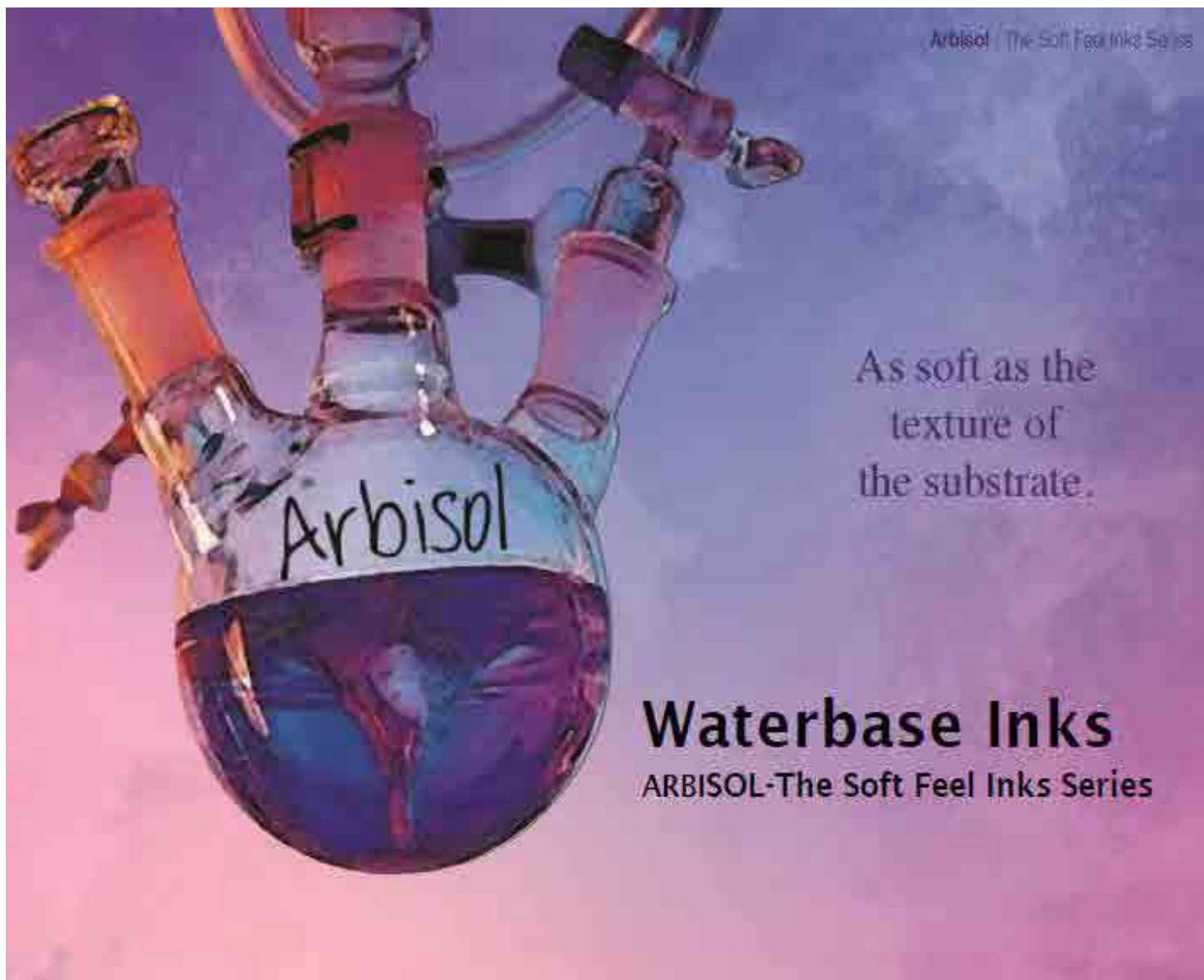
For Arbitex:

- Print according to color sequence the Arbitex Clear / Matte Series (mix with pigment color) / Arbitex White
- Blow dry after each color printing (at approximately 70°C-100°C for 1-2 minutes)
- Final cure by dryer / oven at 100°C-120°C for 2-3 minutes; or by heat press machine at 100°C-120°C for 8 seconds.

ARBITEX
SERIES

SAMPLE PRINTS





Arbisol | The Soft Feel Inks Series

As soft as the
texture of
the substrate.

Waterbase Inks
ARBISOL-The Soft Feel Inks Series

ARBISOL
 SERIES



The Arbisol Series meets your extender needs that is as soft as the texture of the substrate; a soft hand feel that you desire. It is ideal for printing on cotton and cotton-polyester blend fabrics.

Arbisol Series	Application	Substrate	
		White	Coloured
EL / TW / LS / LC	Clear Extender Base	✓	
MTS	Matte Extender Base	✓	✓
PB100 / DS100	Discharge Print		✓
PB210	Discharge Print (Denim)		✓
BO	Burn Out Print	✓	✓

Advantages

- Soft hand feel
- Excellent wet / dry abrasion / washing resistance
- Good color fastness

Screen Mesh

- Monofilament polyester meshes from 100T (40cm) - 180T (71cm) screen mesh.

Product Properties

Appearance	Viscous Milky Paste
Viscosity	3,000-25,000 cps (BH 6/20 at 25 °C)
pH	6.5 - 7.5
Ionic Charge	Anionic

ARBISOL
 SERIES

Typical Formulation

PRODUCT NAME	%	%	%	%	%	%
Arbisol EL / TW / LS / LC	95	0	0	0	0	0
Arbisol MTS	0	95	0	0	0	0
Arbisol PB100	0	0	90	0	0	0
Arbisol DS100	0	0	0	80	0	0
Arbisol PB210	0	0	0	0	90	0
Arbisol BO	0	0	0	0	0	80
Pigment Resin Color	5	5	0	10	0	0
Aquagent 100*	0	0	10	10	0	0
Aquagent 110*	0	0	0	0	10	0
Aquagent SN*	0	0	0	0	0	20
TOTAL	100	100	100	100	100	100

Note:

Must be consumed and set to cure within 8 hours once Aquagent is mixed with the Base so as to achieve color brilliancy and prevent oxidation. It is necessary to wear gloves and mask when handling the Aquagent and when curing via Heat Press machine.

Printing Process

For Arbisol EL / TW / LS / LC / MTS Base:

- Print according to color sequence the Arbisol EL / TW / LS / LC / MTS Base (mix with pigment color)
- Blow dry after each color printing (at approximately 70°C-100°C for 1-2 minutes)
- Final Cure by dryer / oven at 100°C-120°C for 2-3 minutes; or by heat press machine at 100°C-120°C for 8 seconds.

Printing Process

For Arbisol BO Base:

- Print Arbisol BO Base (without pigment color)
- Blow dry after printing at approximately 70°C-100°C for 1-2 minutes)
- Final cure by heat press machine at 150°C-180°C for 10 seconds.
- Soak or rinse off with hot water (not boiling) to remove burnt cotton threads.

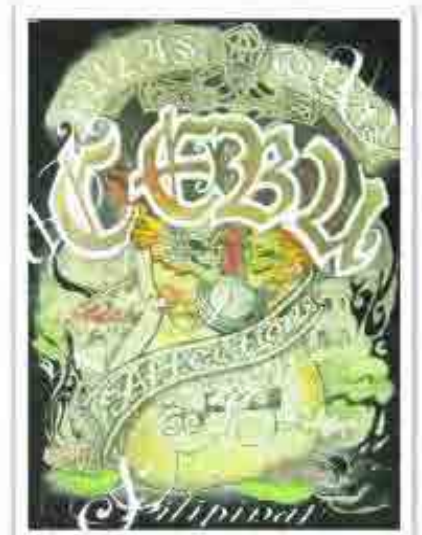
Printing Process

For Arbisol PB100 / PB210 / DS100 Base:

- Print Arbisol PB100 / PB210 Base (without pigment color) / Arbisol DS100 (mix with pigment color)
- Blow dry after printing at approximately 70°C-100°C for 1-2 minutes)
- Final cure by dryer / oven at 100°C-130°C for 2-3 minutes; or by heat press machine at 100°C-150°C for 8 seconds.

ARBISOL
SERIES

SAMPLE PRINTS



Arbitrend : The Trendy-Fashion Inks Series

Waterbase Inks

ARBITREND-The Trendy-Fashion Inks Series

A special effect ink
designed to be the
true fashion base.





The Arbitrend Series is a special effect ink design to be the true fashion base; showing off a bright metallic, dazzling glitter, creamy puff, cracking, crunch, or high dense effect print on cotton and cotton-polyester blend fabrics.

Arbitrend Series	Application	Substrate	
		White	Coloured
Silver Paste	Metallic Silver Print	✓	✓
Pearl Gold / Silver	Pearlescent Print	✓	✓
Puff	Emboss / 3D Print	✓	✓
Glitter	Glitter Color Print	✓	✓
Glow Light	Glow in the Dark Print	✓	
Crunch	Crunchy Print	✓	✓
High Dense	High Dense Print	✓	✓
Cracking	Cracking Print	✓	✓

Product Properties

Appearance	High Viscous Paste
Viscosity	10,000-110,000 cps (Viscometer Rotor No. 7 20/rpm (at 25 °C))
pH	8.5 - 9.5 (at 25 °C)
Ionic Charge	Anionic

Advantages

- Fashion bases
- Soft hand feel
- Excellent wet / dry abrasion / washing resistance
- Good color fastness

Screen Mesh

- Monofilament polyester meshes from up to 100T (40 cm).

Typical Formulation

PRODUCT NAME	%	%	%
Arbitrend Series	95	75	100
Arbitex Clear	0	20	0
Pigment Resin Color	5	5	0
TOTAL	100	100	100

Printing Process

For Arbitrend Silver Paste / Pearl Silver / Pearl Gold / Pearl Rainbow / Glitters / Glow Light:

- Print Arbitrend Silver Paste/ Pearl Silver/ Pearl Gold/ Pearl Rainbow/ Glitters/ Glow Light (without pigment color)
- Blow dry after printing (at approximately 70°C-100°C for 1-2 minutes)
- Final cure by dryer / oven at 100°C-120°C for 2-3 minutes; or by heat press machine at 100°C-120°C for 8 seconds.

Printing Process

For Arbitrend Puff Base:

- Print Arbitrend Puff Base (mix with pigment color)
- Blow dry after printing (at approximately 70°C-100°C for 1-2 minutes)
- Final cure by dryer / oven at 100°C-120°C for 2-3 minutes; or by heat press machine at 100°C-120°C for 8 seconds.

Printing Process

For Arbitrend High Density Base:

- Print Arbitrend High Density Base (mix with pigment color)
- Apply thick application (or use high dense screen)
- Semi cure after printing by using blow dry at approximately 70°C-100°C for 1-2 minutes.
- Full cure by dryer / oven only at 150°C-170°C for 2-3 minutes.
- Do not use heat press machine.

Printing Process

For Arbitrend Crunch Base:

- Print Arbitrend Crunch Base (mix with pigment color)
- Apply thick application (or use high dense screen)
- Flood the screen, print force pull
- Semi cure after printing by using blow dry at approximately 70°C-100°C for 1-2 minutes.
- Full cure by dryer / oven only at 150°C-170°C for 2-3 minutes.
- Do not use heat press machine.

Printing Process

For Arbitrend Cracking Base:

- Print Arbitrend Clear first.
- Blow dry (Semi cure)
- Print Arbitrend Cracking Clear (mix with pigment color) Arbitrend Cracking White (without pigment color)
- Apply thick application (or use high dense screen)
- Blow dry at very high temperature until it cracks (at approximately 100°C-130°C for 1-2 minutes)
- Final cure by dryer / oven at 100°C-130°C for 2-3 minutes; or by heat press machine at 100°C-120°C for 10 seconds (medium pressure).

SAMPLE PRINTS



Forged with the
power of air.



Waterbase Inks

ARBIAir-The Air Brush Inks Series

ARBIAIR
 SERIES



The ArbiAir is forged with the power of air. Airbrush arts are demanding in perfection, a one-of-a-kind masterpiece waiting to be worn. The ArbiAir Series is made for the discriminating eye of the airbrush artist, who strives for nothing less than excellence in each customized work of art. Airbrush spray technique through the use of ArbiAir series is applicable on cotton and cotton-polyester blend fabrics.

ArbiAir Series	Application	Substrate	
		White	Coloured
LCG	Clear Airbrush Base	✓	
DC	Matte Airbrush Base	✓	✓
SC	White Airbrush Base	✓	✓

Product Properties

Appearance	Viscous Milky Paste
Viscosity	3,000-20,000 cps (BH 7/20 at oC)
pH	6.5 - 7.5
Ionic Charge	Anionic

Printing Process

For ArbiAir LCG / DC / SC Base:

- Spray according to color sequence the ArbiAir LCG / DC (mix with pigment color) / ArbiAir SC
- Final cure by dryer / oven at 100°C - 120°C for 2-3 minutes; or by heat press machine at 100°C-120°C for 8 seconds.

Advantages

- Customized work of art
- Soft hand feel
- Excellent wet / dry abrasion / washing resistance
- Good color fastness

Typical Formulation

PRODUCT NAME	%	%	%
ArbiAir LCG	95	0	0
ArbiAir DC	0	95	0
ArbiAir SC	0	0	100
PRC	5	5	0
TOTAL	100	100	100

SAMPLE PRINTS





A water-based transfer adhesive for printing cotton, cotton-polyester fabrics and velvet.

Waterbase Inks

ARBITRANS-The Transfer Inks Series



The Arbitrans Series is for vibrant imagination at work. It is an adhesive base that works well with mixed media such as flock, foil, and reflective paper to create stunning transfer print designs by heat press machine. It is a water-based transfer adhesive for printing cotton, cotton-polyester fabrics and velvet. It can withstand reduction-clearing process on machine yardage printing.

Arbitrans Series	Application	Substrate	
		White	Coloured
Arbitrans KE-28	Multi-functional transfer for foil, flock & reflective.	✓	✓

Product Properties

Main Component	Acrylic Mixture
Appearance	Cream paste with mild odor
Viscosity	40,000-80,000 cps (Viscometer Rotor No. 6 20/rpm (at 25 °C))
pH	8.5 - 9.5 (at 25 °C)
Ionic Charge	Anionic

Advantages

- Soft hand feel
- Excellent wet / dry abrasion / washing resistance

Screen Mesh

- Monofilament polyester meshes from up to 100T (40 cm).

Typical Formulation

PRODUCT NAME	%	%
Arbitrans KE-28	100	99.99
Arbitex Clear	0	0.01*
TOTAL	100	100

* Do not add more than 0.01% of Pigment.

Printing Process

For Regular Transfer Process:

- Print Arbitrans KE-28
- Dry (semi cure)
- Apply paper media (foil / flock / reflective paper)
- Heat press at 150°C- 170°C
- Let cool and cold peel.

Printing Process

For Reduction Clearing Process:

- Print Arbitrans KE-28
- Dry
- High pressure steaming washing / soaping with Alkali at 75°C-80°C
- Dry
- Heat transfer / press with stamping foil paper at 100°C-130°C for 5 seconds at 3 kgs/cm²
- Apply pressure.

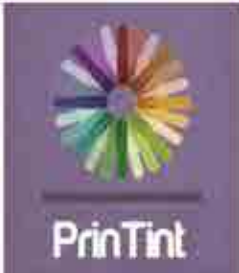


SAMPLE PRINTS





PrinTint
Dye Print Series



PrinTint is a dual purpose colored ink base. It can be used for both screen printing and fabric dyeing process on white or light colored substrate. Water dilution can be used for fabric dyeing, while concentration can be used for screen printing. It is soft to the touch, light-weight, and pungent free.

PrinTint Basic Series of standard color paste.

PrinTint Neon Series of fluorescent color paste.

PrinTint Ink Base comes in 15 Basic Colors and 8 Neon Colors. Special mixed colors can be available upon request.

Screen Printing Process

- Screenprint PrinTint Colored Ink Base according to color sequence per your design requirement.
- Blow dry after each color printing at approximately 70°C - 100°C for 1-2 minutes.
- Final cure by dryer / oven at 100°C - 130°C for 2-3 minutes, or by heat pressing at maximum of 120°C for 8 seconds.

Fabric Dyeing Process

- For every 1 kilogram weight of substrate weight, add in 5 kilograms of water together with the 250 grams weight of the PrinTint Colored Ink Base.
- Prepare your substrate by submerging to dye bath according to the color pattern of your choice. Use the hottest temperature allowed safe for your substrate. Constantly stir well with a clean stick for 30 minutes or so.
- Water washed to remove excess ink base when done. Rinse off well with hot water & detergent to remove excess dye. Let dry by air and final cure with an oven or iron for 5 minutes at 150°C.



additives & chemicals

WATERBASE
AUXILIARY
CHEMICALS

Product Code	Description
Fixer MR15	It helps in improving washing fastness. (Maxing load = 3% only, must be used within 8 hours when mixed in with the base)
Reducer CT	It reduces the viscosity of the printing paste. (Maximum load = 5% only)
Thickener ASE	It increases the viscosity of the printing paste. (Maximum load = 2% only)
Anti-tack R25	It prevents unwanted transfer of foil onto unwanted area. (Dab onto the printed area where foil transfer is to be avoided)

Waterbase Inks

Pigment Resin Colours

A coloring vehicle
readily miscible in all
waterbase inks.





A Pigment Resin Color (PRC) is a coloring vehicle, readily miscible in all waterbase inks. It has excellent dispersion and pH stability.

Keen PRC Basic Series of standard color paste.
 Keen PRC Neon Series of fluorescent color paste.

Advantages

- Brilliant Colors
- Good color fastness

Typical Formulation

PRODUCT NAME	%	%	%	%
Arbitex Clear Series	95	0	85	0
Arbitex Matte Series	0	90	0	80
Keentex Basic	5	10	0	0
Keentex Neon	0	0	15	20
TOTAL	100	100	100	100

PRINTWORK

SCREEN PRINTING SUPPLIES

GENERAL MERCHANDISE & SERVICES

KEENTEX

PRC SERIES

Keentex PRC		Fastness Series					
Basic Series		Light Yellow (Graded 1.8)		Washing Fastness (Graded 1.5)		Dry Cleaning (Graded 1.5)	
Product Name	%	5.0%	1.0%	0.2%	0.2%	5.0%	0.2%
Yellow LM	5%	6	5	5	3	5	4
Yellow GL	5%	6	5	5	3	5	4
Orange BR	5%	7	6	5	2-3	5	3
Red SC	5%	5	4	4	1-2	2	1-2
Red CM	5%	7-8	6	5	4	3-4	4
Red RB	5%	7-8	6-7	5	4-5	4-5	5
Violet DC	5%	8	6-7	5	4-5	5	4-5
Blue RY	5%	8	7	5	2-3	5	4-5
Blue UL	5%	8	7	5	5	*	5
Green EM	5%	7	7	5	5	*	4-5
Green AP	5%	6	6	5	4	*	4-5
Brown DK	5%	5	5	5	2	2	2-3
Black IC	5%	8	8	5	5	5	5
White TW	30%	8	8	5	5	5	5

Keentex PRC		Fastness Series					
Neon Series		Light Fastness		Washing Fastness		Dry Cleaning	
Product Name	%	5.0%	1.0%	0.2%	0.2%	5.0%	0.2%
Yellow FF	5%	3	3-4	4	4	4	5
Orange FF	5%	3	3-4	4	4	4	5
Pink FF	5%	3-4	4-5	4	4	4	5
Red FF	5%	3-4	4	4	4	4	5
Rose FF	5%	3-4	4-5	4	4	4	5
Violet FF	5%	3-4	3-4	4	4	4	5
Blue FF	5%	3-4	3-4	4	4	4	5
Green FF	5%	3	4	4	4	4	5

LEGEND:

G 1.8 Low Fastness

G 1.5 High Fastness

* Color shade changes but never fade away

⊕ Very good fastness / highly recommended

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In response to consumers and general public needs of protection from textile's health risks, The Eco-test standard is initiated. In lieu of this, it is necessary that tests are done by your company prior to your mass production for local and export market requirement.

Use safety equipment and gadgets when handling chemicals.

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