



Water Based Textile Screen Printing Inks

USING FIELDS & FEATURES

- SS-200 is a pigment printing base for light backgrounds used to achieve very soft hand feel and also very high quality results of CMYK prints in textile printing.
- SS-200 can also be used with 90 – 120 mesh.
- SS-200 can be coloured with PIGMENT-MIX series pigments.
- It does not dry and block the screen during printing.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	Transparent Paste
pH :	8-9 (20 °C)
Density :	1.00 g/cm ³ (20 °C)
Viscosity :	(20 °C) sp: 5, rpm: 20 Brookfield + : 12.000 – 15.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 70 – 90T mesh.
For achieving fine details & half tone images prints, 120T mesh can also be used.

Mixture

For colouring SS-200 pigment base, PIGMENT-MIX series (3-6%) pigments are added.
To avoid fibrillation after wash or / and to gain anti foil feature, SS-100 Fixing Agent (1-3%) can be added.
To reduce the viscosity, water (1-3%) is added everytime viscosity gets lower.
Stir well before every use.
Do not use any other additives that are not advised.
Used screens and materials can be cleaned with pressure water.

Curing

Should be cured at 140 - 160 °C for 1,5 – 3 minute.

Washing

Before production washing tests should be made as required.
Washing test should be made 24 hours after curing.
Check the dryer belt speed and temperature if washing tests are not in required acceptability.

IMPORTANT

The information given above is related to the product mentioned on this brochure and is designed only as using instructions. It is essential that all batches of fabric and prints are pre-tested under production conditions to ensure that acceptable results and fastness are achieved.

Stencil / Emulsion

Most direct emulsions suitable for water based can be used.
Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact **CATIONIC** or supplier for the latest information concerning the compliance of **CATIONIC** inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 55 kg containers.



USING FIELDS & FEATURES

- SS-400 is an elastic soft hand feel opaque white, used to achieve a soft hand feel without losing elasticity in textile printing.
- Soft hand feel
- High elasticity
- Easily cures with flash cure application.
- It does not dry and block the screen during printing.
- High washing fastness.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance: White Paste

pH : 8.5-9.5 (20 °C)

Density : 1.50 g/cm³ (20 °C)

Viscosity : (20 °C) sp: 7, rpm: 20 Brookfield + :
> 150.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 43 – 63T mesh.

Mixture

Recommended formulation for elastic fabrics;

SS-400 Water Based Elastic Athletic White	750 – 900 Gr
SS-420 Water Based Elastic Athletic Clear Base	250 – 100 Gr
	1 Kg (1000 Gr)

To reduce viscosity thinner [1-3%] can be added.
Do not use / add water to reduce the viscosity.
Stir well before every use.
Do not use any other additives that are not advised.
Used screens and materials can be cleaned with pressure water.

Curing

Should be cured at 150 - 170 °C for 1,5 – 2,5 minute.

Washing

Before production washing tests should be made as required.
Washing test should be made 24 hours after curing.
Check the dryer belt speed and temperature if washing tests are not in required acceptability.

IMPORTANT

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Stencil / Emulsion

Most direct emulsions suitable for water based can be used.
Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact **CATIONIC** or supplier for the latest information concerning the compliance of **CATIONIC** inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 20/60 kg containers.



USING FIELDS & FEATURES

- SS-420 is an elastic soft hand feel clear base, used to achieve a soft hand feel with high elasticity in textile printing. It can be coloured with PIGMENT- MIX series pigments.
- Soft hand feel
- High elasticity
- Easily cures with flash cure application.
- It does not dry and block the screen during printing.
- High washing fastness.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	Transparent Paste
pH :	8.5-9.5 (20 °C)
Density :	1.00 g/cm ³ (20 °C)
Viscosity :	(20 °C) sp: 7, rpm: 20 Brookfield + : > 60.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 43 – 63T mesh.

Mixture

For colouring SS-420 water based elastic athletic clear base, PIGMENT-MIX series (3-6%) pigments are added. To reduce viscosity thinner (1-3%) can be added. Do not use / add water to reduce the viscosity. Stir well before every use. Do not use any other additives that are not advised. Used screens and materials can be cleaned with pressure water.

Curing

Should be cured at 150 - 170 °C for 1,5 – 2,5 minute.

Washing

Before production washing tests should be made as required. Washing test should be made 24 hours after curing. Check the dryer belt speed and temperature if washing tests are not in required acceptability.

IMPORTANT

The information given above is related to the product mentioned on this brochure and is designed only as using instructions. It is essential that all batches of fabric and prints are pre-tested under production conditions to ensure that acceptable results and fastness are achieved.

Stencil / Emulsion

Most direct emulsions suitable for water based can be used. Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact **CATIONIC** or supplier for the latest information concerning the compliance of **CATIONIC** inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 16/55 kg containers.



USING FIELDS & FEATURES

- SS-500 is an elastic glitter base, used to achieve extra glossy and soft glitter effect in textile printing. After curing, glitter moves on the top of the adhesive and gives an extremely glossy effect as if the glitter sprinkled on the fabrics.
- It does not dry and block the screen during printing.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	Transparent Paste
pH :	8.5 - 9.5 (20 °C)
Density :	1.00 g/cm ³ (20 °C)
Viscosity :	(20 °C) sp: 7, rpm: 20 Brookfield + : > 20.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 8 – 12 mesh.
SS-500 elastic glitter base can be used with any type of glitter powder.

Mixture

Recommended formulation for having glitter effect;

SS-500 Elastic Glitter Base	750 – 900 Gr
Glitter Powder	250 – 100 Gr
	1 KG (1000 Gr)

For having better results, SS-100 fixing agent (1-3%) can be used.
Do not use / add water to reduce the viscosity.
Stir well before every use.
Do not use any other additives that are not advised.
Used screens and materials can be cleaned with pressure water.

Curing

Should be cured at 150 - 160 °C for 1,5 - 2 minute.

Washing

Before production washing tests should be made as required.
Washing test should be made 24 hours after curing.
Please bare in mind that the dryer belt speed and temperature is a crucial matter on achieving the best washing results.

IMPORTANT

The information given above is related to the product mentioned on this brochure and is designed only as using instructions. It is essential that all batches of fabric and prints are pre-tested under production conditions to ensure that acceptable results and fastness are achieved.

/ Emulsion Type

Most direct emulsions suitable for water based can be used.
Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact **CATIONIC** or supplier for the latest information concerning the compliance of **CATIONIC** inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 30/60 kg containers.



USING FIELDS & FEATURES

- SS-620 is a water based half tone white, used to achieve soft hand feel fine detailed white prints as well as half tone printing. It is designed to be printed up to 120 T mesh.
- Highly increased open time.
- Soft hand feel
- It can be also used as an additive to increase the open time of other **CATIONIC** water based white inks.
- Easily cures with flash cure application.
- It does not dry and block the screen during printing.
- High washing fastness.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	White Paste
pH :	8.5-9.5 (20 °C)
Density :	1.10 g/cm ³ (20 °C)
Viscosity :	(20 °C) sp: 7, rpm: 20 Brookfield + : > 100.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 70 – 110T mesh.

Mixture

To reduce viscosity thinner (1-3%) can be added.
Do not use / add water to reduce the viscosity.
Stir well before every use.
Do not use any other additives that are not advised.
Used screens and materials can be cleaned with pressure water.

Curing

Should be cured at 150 - 170 °C for 1,5 – 2,5 minute.

Washing

Before production washing tests should be made as required.
Washing test should be made 24 hours after curing.
Check the dryer belt speed and temperature if washing tests are not in required acceptability.

IMPORTANT

The information given above is related to the product mentioned on this brochure and is designed only as using instructions. It is essential that all batches of fabric and prints are pre-tested under production conditions to ensure that acceptable results and fastness are achieved.

Stencil / Emulsion

Most direct emulsions suitable for water based can be used.
Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact **CATIONIC** or supplier for the latest information concerning the compliance of **CATIONIC** inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 20/60 kg containers.



USING FIELDS & FEATURES

- SS-700 is an elastic soft hand feel opaque transfer white used to achieve a soft hand feel without losing elasticity in textile transfer printing. It can be used as back up white in offset and/or screen printing applications.
- Soft hand feel.
- High elasticity.
- Easily cures with flash cure application.
- It does not dry and block the screen during printing.
- High washing fastness.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	White Paste
pH :	8.5-9.5 (20 °C)
Density :	1.60 g/cm ³ (20 °C)
Viscosity :	(20 °C) sp: 7, rpm: 20 Brookfield + > 100.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 43 – 63T mesh.

Mixture

For having better results, SS-100 fixing agent (3-4%) can be used. To reduce viscosity thinner (1-3%) can be added. Do not use / add water to reduce the viscosity. Stir well before every use. Do not use any other additives that are not advised. Used screens and materials can be cleaned with pressure water

Curing

Should be cured at 120 - 130 °C for 1 – 1,5 minute.

Press

Recommended press parameters;
Temperature: 160-180 °C
Press Time: 10 – 12 Second
Pressure: 4 – 6 Bar

IMPORTANT

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Washing

Before production washing tests should be made as required. Washing test should be made 24 hours after curing. Check the dryer belt speed and temperature if washing tests are not in required acceptability.

Stencil / Emulsion

Most direct emulsions suitable for water based can be used. Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing. It should be consumed within 12 months after the production date. Contact **CATIONIC** or supplier for the latest information concerning the compliance of **CATIONIC** inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 10 kg co.



USING FIELDS & FEATURES

- SS-720 is an elastic soft hand feel transfer clear base, used to achieve a soft hand feel without losing elasticity in textile transfer printing. It can be coloured with PIGMENT-MIX series pigments. It can be used in screen printing applications.
- Soft hand feel
- High elasticity
- Easily cures with flash cure application.
- It does not dry and block the screen during printing.
- High washing fastness.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	Transparent Paste
pH :	8.5-9.5 (20 °C)
Density :	1.10 g/cm ³ (20 °C)
Viscosity :	(20 °C) sp: 7, rpm: 20 Brookfield + : > 50.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 43 – 63T mesh.

Mixture

For colouring SS-720 elastic extra soft clear base, PIGMENT-MIX series (3-6%) pigments are added. For having better results, SS-100 fixing agent (3-4%) can be used. To reduce viscosity thinner (1-3%) can be added. Do not use / add water to reduce the viscosity. Stir well before every use. Do not use any other additives that are not advised. Used screens and materials can be cleaned with pressure water.

Curing

Should be cured at 120 - 130 °C for 1 – 1,5 minute.

Press

Recommended press parameters;
Temperature: 160-180 °C
Press Time: 10 – 12 Second
Pressure: 4 – 6 Bar

IMPORTANT

The information given above is related to the product mentioned on this brochure and is designed only as using instructions. It is essential that all batches of fabric and prints are pre-tested under production conditions to ensure that acceptable results and fastness are achieved.

Washing

Before production washing tests should be made as required. Washing test should be made 24 hours after curing. Check the dryer belt speed and temperature if washing tests are not in required acceptability.

Stencil / Emulsion

Most direct emulsions suitable for water based can be used. Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing. It should be consumed within 12 months after the production date.

Contact **CATIONIC** or supplier for the latest information concerning the compliance of **CATIONIC** inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 10 kg containers.



USING FIELDS & FEATURES

- SS-800 is special polymer hi-breed white for printing on 100% Dyed Polyester Active wears and heat sensitive fabrics that needs to be cured at low temperature to avoid shrinkage.
- No cure option in conjunction with cool-fix cross linker to avoid dye sublimation on 100% polyester.
- SS-800 is an elastic low cure white used to achieve an extra soft hand feel without losing elasticity in textile printing.
- Very soft hand feel
- High elasticity
- Easily cures with flash cure application.
- It does not dry and block the screen during printing.
- High washing fastness.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance: White Paste

pH : 8.5-9.5 (20 °C)

Density : 1.50 g/cm³ (20 °C)

Viscosity : (20 °C) sp: 7, rpm: 20 Brookfield + :
> 125.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 43 – 63T mesh.

Mixture

Recommended formulation for elastic fabrics :

SS 800 elastic self cure white 750-900g

SS 820 elastic self cure flash base 250-100 g

1 Kg (1000g)

Cool fix cross linker to be added 3% by weight in flash base as well as white to avoid.

Inter-coat adhesion problem

Curing

Should be low cured at 135-150C for 2 mins.

For self cure at room temperature for at least 48 hours before wash.

Washing

Before production washing tests should be made as required.

Washing test should be made 24 hours after curing.

Check the dryer belt speed and temperature if washing tests are not in required acceptability.

IMPORTANT

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Stencil / Emulsion

Most direct emulsions suitable for water based can be used. Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact **CATIONIC** or supplier for the latest information concerning the compliance of **CATIONIC** inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 20/60 kg containers.



USING FIELDS & FEATURES

- SS-820 is special polymer hi-breed flash cure base for printing on 100% Dyed Polyester Active wears and heat sensitive fabrics that needs to be cured at low temperature to avoid shrinkage.
- No cure option in conjunction with cool-fix cross linker to avoid dye sublimation on 100% polyester.
- SS 820 is an elastic low cure clear used to achieve an extra soft hand feel without losing elasticity in textile printing.
- Very soft hand feel
- High elasticity
- Easily cures with flash cure application.
- It does not dry and block the screen during printing.
- High washing fastness.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance: White Paste

pH : 8.5-9.5 (20 °C)

Density : 1.50 g/cm³ (20 °C)

Viscosity : (20 °C) sp: 7, rpm: 20 Brookfield + :
> 125.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 43 – 63T mesh.

Mixture

Recommended formulation for elastic fabrics :

SS 800 elastic self cure white 750-900g

SS 820 elastic self cure flash base 250-100 g

1 Kg (1000g)

Cool fix cross linker to be added 3% by weight in flash base as well as white to avoid.

Inter-coat adhesion problem

Curing

Should be low cured at 135-150C for 2 mins.

For self cure at room temperature for at least 48 hours before wash.

Washing

Before production washing tests should be made as required.

Washing test should be made 24 hours after curing.

Check the dryer belt speed and temperature if washing tests are not in required acceptability.

IMPORTANT

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Stencil / Emulsion

Most direct emulsions suitable for water based can be used. Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact **CATIONIC** or supplier for the latest information concerning the compliance of **CATIONIC** inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 20/60 kg containers.



USING FIELDS & FEATURES

- SS-900 is special polymer hi-breed white for printing on Cotton / Spandex / Blended active wears and heat sensitive fabrics that needs to be cured at low temperature to avoid shrinkage.
- Self cure ability in conjunction with cool-fix cross linker to avoid dye sublimation on 100% polyester.
- SS 900 is an elastic low cure white used to achieve an extra soft hand feel without losing elasticity in textile printing.
- Very soft hand feel
- High elasticity
- Easily cures with flash cure application.
- It does not dry and block the screen during printing.
- High washing fastness.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance: White Paste

pH : 8.5-9.5 (20 °C)

Density : 1.50 g/cm³ (20 °C)

Viscosity : (20 °C) sp: 7, rpm: 20 Brookfield + :
> 125.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 43 – 63T mesh.

Mixture

Recommended formulation for elastic fabrics :

SS 900 elastic self cure white 750-900g

SS 920 elastic self cure flash base 250-100 g

1 Kg (1000g)

Cool fix cross linker to be added 3% by weight in flash base as well as white to avoid.

Inter-coat adhesion problem

Curing

Should be low cured at 135-150C for 2 mins.

For self cure at room temperature for at least 48 hours before wash.

Washing

Before production washing tests should be made as required.

Washing test should be made 24 hours after curing.

Check the dryer belt speed and temperature if washing tests are not in required acceptability.

IMPORTANT

The information given above is related to the product mentioned on this brochure and is designed only as using instructions. It is essential that all batches of fabric and prints are pre-tested under production conditions to ensure that acceptable results and fastness are achieved.

Stencil / Emulsion

Most direct emulsions suitable for water based can be used. Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact **CATIONIC** or supplier for the latest information concerning the compliance of **CATIONIC** inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 20/60 kg containers.



USING FIELDS & FEATURES

- SS-920 is special polymer hi-breed clear for printing on Cotton / Spandex / Blended active wears and heat sensitive fabrics that needs to be cured at low temperature to avoid shrinkage.
- Self cure ability in conjunction with cool-fix cross linker to avoid dye sublimation on 100% polyester.
- SS 920 is an elastic low cure clear used to achieve an extra soft hand feel without losing elasticity in textile printing.
- Very soft hand feel
- High elasticity
- Easily cures with flash cure application.
- It does not dry and block the screen during printing.
- High washing fastness.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance: White Paste

pH : 8.5-9.5 (20 °C)

Density : 1.50 g/cm³ (20 °C)

Viscosity : (20 °C) sp: 7, rpm: 20 Brookfield + :
> 125.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 43 – 63T mesh.

Mixture

Recommended formulation for elastic fabrics :

SS 900 elastic self cure white 750-900g

SS 920 elastic self cure flash base 250-100 g

1 Kg (1000g)

Cool fix cross linker to be added 3% by weight in flash base as well as white to avoid.

Inter-coat adhesion problem

Curing

Should be low cured at 135-150C for 2 mins.

For self cure at room temperature for at least 48 hours before wash.

Washing

Before production washing tests should be made as required.

Washing test should be made 24 hours after curing.

Check the dryer belt speed and temperature if washing tests are not in required acceptability.

IMPORTANT

The information given above is related to the product mentioned on this brochure and is designed only as using instructions. It is essential that all batches of fabric and prints are pre-tested under production conditions to ensure that acceptable results and fastness are achieved.

Stencil / Emulsion

Most direct emulsions suitable for water based can be used. Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact **CATIONIC** or supplier for the latest information concerning the compliance of **CATIONIC** inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 20/60 kg containers.



USING FIELDS & FEATURES

- SS-100 is a formaldehyde free fixing agent, used to reduce the curing time, improve washing and wet rubbing fastness of water based inks. It is also used to reduce the fabric fibrillation on the ink surface.
- SS-100 is especially advised to use with flock adhesive for improving curing speed, adhesion, washing, rubbing and durability of flock application.
- SS-100 added inks will start to lose their physical and mechanical properties after 24 hours, depending on the temperature of the environment. This may lead up to ink being unusable. Therefore S-7200 added inks must be used within 24 hours.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	Yellowish Liquid
pH :	7.0-9.0 (20 °C)
Density :	0.95-1.05 g/cm ³ (20 °C)
Viscosity :	(20 °C) sp: 6, rpm: 20 Brookfield + : 700 – 900 [mPa.s]

APPLICATION

Mixture

For having best result, 1-5% are added into all type of water based inks. SS-100 added inks must be used within 24 hours depending on the temperature of the environment. Stir well before every use. Do not use any other additives that are not advised. Used screens and materials can be cleaned with pressure water.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact **CATIONIC** or supplier for the latest information concerning the compliance of **CATIONIC** inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 1/5 kg containers.



IMPORTANT

The information given above is related to the product mentioned on this brochure and is designed only as using instructions. It is essential that all batches of fabric and prints are pre-tested under production conditions to ensure that acceptable results and fastness are achieved.

CATIONIC METTALIC GOLD

USING FIELDS & FEATURES

- Metallics Gold is used to achieve elastic and soft metallic effect in textile printing.
- It does not dry and block the screen during printing.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance : Gold Pasta

pH : 8.5-9.5 (20 °C)

Specific gravity : >1.00 g/cm³

Viscosity : >10.000 cp (20 °C, sp:6,rpm:20,Brookfield)

APPLICATION

Printing; The best results can be achieved with 31- 54 mesh.

Curing; should be cured at 150-160 °C for 1.5-2 minute.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5 °C and 30 °C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing. It should be consumed within 12 months after the production date.

IMPORTANT

The information given above is related to the product mentioned on this brochure and is designed only as using instructions. It is essential that all batches of fabric and prints are pre-tested under production conditions to ensure that acceptable results and fastness are achieved.

CATIONIC METTALIC SILVER

USING FIELDS & FEATURES

- Metallics Silver is used to achieve elastic and soft metallic effect in textile printing.
- It does not dry and block the screen during printing.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance : Silver Pasta

pH : 8.5-9.5 (20 °C)

Specific gravity : >1.00 g/cm³

Viscosity : >15.000 cp (20 °C, sp:6,rpm:20,Brookfield)

APPLICATION

Printing; The best results can be achieved with 31- 54 mesh.

Curing; should be cured at 150-160 °C for 1.5-2 minute.

SAFETY & STORAGE

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IMPORTANT

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USING FIELDS & FEATURES

- SS-630 is an elastic flock adhesive, used to create high elastic, soft hand feel and high quality flock prints specially with fine detailed / half tone images in textile printing. It does not block the screen during application process even on very fine detailed images.
- For having better results, SS 100 fixing agent (1-3%) can be used.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	Transparent Paste
pH :	8.5- 9.5 (20 °C)
Density :	1.20 g/cm ³ (20 °C)
Viscosity :	(20 °C) sp: 7, rpm: 20 Brookfield + : > 30.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 27 – 31T mesh.

Mixture

For having better washing tests results, SS-100 fixing agent (1-3%) can be used.
Do not use / add water to reduce the viscosity.
Stir well before every use.
Do not use any other additives that are not advised.
Used screens and materials can be cleaned with pressure water.

Curing

Should be cured at 150 - 160 °C for 1,5 - 2 minute.

Washing

Before production washing tests should be made as required.
Washing test should be made 24 hours after curing.
Please bare in mind that the dryer belt speed and temperature is a crucial matter on achieving the best washing results.

IMPORTANT

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Stencil / Emulsion Type

Most direct emulsions suitable for water based can be used. Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact Cationic or supplier for the latest information concerning the compliance of Cationic inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 30/60 kg containers.



USING FIELDS & FEATURES

- SS-640 is a foil adhesive, used to achieve high quality foil prints in textile printing. It has high washing fastness.
- It does not dry and block the screen during printing.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	Transparent Paste
pH :	8.5- 9.5 (20 °C)
Density :	1.20 g/cm ³ (20 °C)
Viscosity :	(20 °C) sp: 7, rpm: 20 Brookfield + : > 40.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 31 – 43T mesh.

Mixture

For having better washing tests results, SS-100 fixing agent (1-3%) can be used.

Do not use / add water to reduce the viscosity.

Stir well before every use.

Do not use any other additives that are not advised.

Used screens and materials can be cleaned with pressure water.

Curing

Should be cured at 140 - 150 °C for 1,5 - 2 minute.

Washing

Before production washing tests should be made as required.

Washing test should be made 24 hours after curing.

Please bare in mind that the dryer belt speed and temperature is a crucial matter on achieving the best washing results.

Stencil / Emulsion Type

Most direct emulsions suitable for water based can be used.
hardener is recommended for hardening.

IMPORTANT

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SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact Cationic or supplier for the latest information concerning the compliance of Cationic inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 30/60 kg containers.



USING FIELDS & FEATURES

- SS-580 is a thermo-cracking mixing base, used to create thermo (Pull) cracking effect in textile printing. It can be coloured with PIGMENT-MIX series pigments.
- It does not dry and block the screen during printing.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	White Paste
pH :	8.5 - 9.5 (20 °C)
Density :	1.10 g/cm ³ (20 °C)
Viscosity :	(20 °C) sp: 7, rpm: 20 Brookfield + : > 60.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 27-31T mesh. Double screens with flash cure recommended for having better opacity and cracking effect.

The final print must be flash cured before curing.

Cracking effect depends on the amount of ink deposited. The smaller ink deposit will create smaller effects and the bigger ink deposit will create bigger cracking effect.

Mixture

PIGMENT-MIX series pigments are recommended.

Recommended formulation for having best opacity and high quality cracking effect;

SS-580 Thermo-Cracking Mixing Base	1 Kg (1000 Gr)
PIGMENT-MIX Series Pigments	3-6% (30-60 Gr)

To increase the viscosity, Reterdar is recommended.

Do not use / add water to reduce the viscosity.

Stir well before every use.

Do not use any other additives that are not advised.

Used screens and materials can be cleaned with pressure water.

Curing

Should be cured at 140 - 150 °C for 1,5 - 2,5 minute.

IMPORTANT

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Washing

Before production washing tests should be made as required. Washing test should be made 24 hours after curing. Check the dryer belt speed and temperature if washing tests are not in required acceptability.

Stencil / Emulsion

Most direct emulsions suitable for water based can be used. Hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing. It should be consumed within 12 months after the production date. Contact Cationic or supplier for the latest information concerning the compliance of Cationic inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 30/55 kg containers.



USING FIELDS & FEATURES

- SS-590 is a thermo-cracking white, used to create thermo (Pull) cracking effect in textile printing. It must be used with thermo-cracking series.
- It should be printed over SS-570 thermo-cracking under base.
- It does not dry and block the screen during printing.
- Washing and rubbing tests are advised to be made 24 hours after curing.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	White Paste
pH :	8.5-9.5 [20 °C]
Density :	1.30 g/cm ³ [20 °C]
Viscosity :	[20 °C] sp: 7, rpm: 20 Brookfield] : > 80.000 [mPa.s]

APPLICATION

Printing

The best results can be achieved with 27 – 31T mesh.
Double print strokes with flash cure recommended for having better opacity and cracking effect.
For achieving cracking effect, printed fabrics should be stretched after curing or washing.

The final print must be flash cured before curing.

Cracking effect depends on the amount of ink deposited.
The smaller ink deposit will create smaller effects and the bigger ink deposit will create bigger cracking effect.

Mixture

Do not use / add water to reduce the viscosity.
Stir well before every use.
Do not use any other additives that are not advised.
Used screens and materials can be cleaned with pressure water.

Curing

Should be cured at 160 - 170 °C for 1,5 - 2,5 minute.

Washing

Before production washing tests should be made as required.
Washing test should be made 24 hours after curing.
Please bare in mind that the dryer belt speed and temperature is a crucial Matteer on achieving the best washing results.

IMPORTANT

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Stencil / Emulsion Type

Most direct emulsions suitable for water based can be used.
hardener is recommended for hardening.

SAFETY & STORAGE

For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product. Prevent from freezing.

It should be consumed within 12 months after the production date.

Contact Cationic or supplier for the latest information concerning the compliance of Cationic inks.

In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other inks or additives.

PACKING

Available in 30/55 kg containers.





Offers
Speciality Range on Request

1. Elastic Flock Adhesive
2. Elastic Foil Adhesive
3. Burn Out
4. Iridescent Metallics & Glitters
5. Thermo Cracking White & Clear
6. Water base Denim Print White & Clear
7. Water base Nylon White & Clear
8. HD Series of water base inks
9. Cold Catalyst
10. PU Thickner, Softner and Binders

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