

MOST POPULAR PRODUCTS



Everyday Coatings

- KS-9000 General Purpose Coating
Use: Broad use in the pressroom as a single-sided commercial coating.
- KS-9007 Fast Drying Work & Turn Coating
Use: Our most popular Work & Turn coating
- Satin: KS-9400
 Matte: KS-9401
- KS-9020 Premium Gloss Coating
Use: Commercial one-sided coating with outstanding gloss
- KS-9203 General Purpose Aqueous Primer - One-Side
Use: Best primer for off-line finishing (UV coating, imprinting, hot foil stamping, gluing)
- Satin: KS-9212
 Matte: KS-9224
- KS-9101 High Rub Work & Turn Gloss AQ Coating
Use: High rub, low slip applications

Unique Application Coatings

- KS-9099 Low Odor Gloss AQ Coating
Use: Pressrooms with low ceilings and minimal exhaust
- KS-9103 Low Burn Gloss AQ Coating (Low VOC)
Use: Test with alkali blue and other fugitive pigments
- Satin: KS-9482
 Matte: KS-9481
- KS-9117 Low Curl Gloss AQ Coating
Use: On troublesome stock where curling is a problem
- Satin: KS-9457
 Matte: KS-9478
- KS-9242 Chemical Resistant Gloss AQ Coating
Use: Paper and non-porous stocks for resistance to most chemicals and water
- KS-9461 Satin Sealer for Uncoated Stocks (40-50 points 60° gloss meter)
Use: Matching the gloss of the stock and sealing the sheet

KS-9470 Extreme Matte Aqueous Coating (5-10 points 60° gloss meter)
Use: Folding carton & commercial

KS-9500 Waterbased Heat Seal Coating
Use: Blister pack

Coatings for Non-Porous Substrates (Polyboard, plastic, foil, etc.)

KS-9009 Gloss AQ Coating for Metallized Substrates
Use: Metallized substrates for maximum release, rewet and adhesion

KS-9018 Polyboard Gloss Coating
Use: Sheetfed frozen food cartons, ice cream cartons, etc., where resistance properties are very important

Satin: KS-9410

KS-9236 Fast Drying Gloss Aqueous Coating for Plastic and other non-porous substrates
Use: For various plastic substrates with 40+ dynes

Satin: KS-9474

Flexo Coatings

KF-8014 Flexo Pearl Coating
Use: Sizing paper for pearl effect or overcoat for decorative appearance

KF-8077 Flexo High Slide, Non-Skid Postprint Overprint
Use: Packaging applications to prevent transit sliding

KS-9001 Highest Gloss AQ Coating
Use: On paper over dry flexo ink to achieve highest gloss without the use of UV

Special Effect Coatings

KS-9076 Pearlescent Aqueous Coating
Use: Pearl effect on paper

KS-9801 Reactive Agent Security AQ Coating
Use: Currency notes and bonds

KS-9810 Textured Aqueous Coating
Use: Tactile coating with good gloss and sandpaper feel

Satin: KS-9803

Matte: KS-9815

KS-9812 Smoother Lay Soft Feel AQ Coating
Use: Tactile coating with excellent matte and soft-feel properties

Web Heatset Coatings

KS-9315 Web Heatset High Gloss Dry Trap Coating
Use: Formulated to exhibit high gloss in a dry trap application for publication covers

Coatings for Digital Printing

KS-9845	AQ Digital Sizing/Primer Use: Giving paper HP Indigo receptivity
KS-9846	Digital Ink Receptive Coating for Plastic Use: Giving plastic HP Indigo receptivity
KS-9847	AQ Inkjet Receptive Non-porous Sizing Use: Priming substrate for Aqueous Inkjet application
KS-9852	Gloss AQ Coating for Digital Ink Use: Priming substrate for Aqueous Inkjet application

Satin: KS-9853

Matte: KS-9855

Cost Competitive Coatings

KUL-8000	Economical Work & Turn Gloss AQ Coating Use: Lowest Cost Work & Turn AQ Coating
	Satin: KUL-8100 Matte: KUL-8200
KUL-8005	Lower Slide Work & Turn Gloss AQ Coating Use: Carton work for easier finishing feeding
KUL-8077	Low Foam Work & Turn AQ Coating Use: High speed paperboard packaging
KUL-8302	AQ Primer Use: Lowest Cost AQ Primer with best foil, glue and secondary coating receptivity

KUSTOM
GROUP

*Please refer to the technical data sheet for additional application and product information.

TECHNICAL DATA SHEET

KS-9000

General Purpose AQ Coating



PRODUCT DESCRIPTION

KS-9000 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners. Typical applications include commercial or folding carton sheetfed work when one coating is desired for broad use in the pressroom.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent gloss and clarity.
- Exhibits excellent rub and scuff resistance.
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9000 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Typically used for one-sided printing only but could be considered for some work & turn jobs.

PHYSICAL PROPERTIES

- **Viscosity:** 17 - 20" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 36 - 38% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

FOR YOUR PROTECTION:

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DATE REVISED 01/17/2017

TECHNICAL DATA SHEET

KS-9007



Fast Drying Work & Turn Gloss AQ Coating

PRODUCT DESCRIPTION

KS-9007 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners. KS-9007 is the fastest drying gloss coating Kustom Group offers. Typical applications include commercial sheetfed work when one coating is desired for broad use in the pressroom.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent gloss and clarity
- Exhibits excellent rub and scuff resistance.
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9007 should be completely evaluated under production conditions using the actual substrate and ink as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 16 - 18" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 37 - 39% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9400

Satin AQ Coating



PRODUCT DESCRIPTION

KS-9400 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work where a satin appearance is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent satin appearance with non-burnishing characteristics. Typical gloss reading is 25-35% with a 60° gloss meter dependent on ink, substrate and application method
- Exhibits excellent rub and scuff resistance
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9400 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 35 - 38% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9401

Matte AQ Coating



PRODUCT DESCRIPTION

KS-9401 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work where a matte appearance is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent matte appearance with non-burnishing characteristics. Typical gloss reading is 10-20% with a 60° gloss meter dependent on ink, substrate and application method
- Exhibits excellent rub and scuff resistance
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9401 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 23" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 36 - 39% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9020

Premium Gloss AQ Coating



PRODUCT DESCRIPTION

KS-9020 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work when highest possible gloss is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent gloss and clarity.
- Exhibits excellent rub and scuff resistance.
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9020 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier-to-supplier. Feel free to contact Kustom Group for additional information.
- Recommended for one-sided printing only.

PHYSICAL PROPERTIES

- **Viscosity:** 22 - 24" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 37 - 39% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia. We recommend that the printer avoid the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this sensitivity to alkali include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe, may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist the potential to burn. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9203

General Purpose AQ Primer



PRODUCT DESCRIPTION

KS-9203 is an acrylic-based aqueous primer coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work when fast drying and work and turn properties are desired.

PERFORMANCE CHARACTERISTICS

- Exhibits good gloss and clarity
- Exhibits excellent rub and scuff resistance
- **"SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9203 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 37 - 40% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9212

Satin AQ Primer



PRODUCT DESCRIPTION

KS-9212 is an acrylic-based, satin aqueous primer coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work when fast drying and work and turn properties are desired.

PERFORMANCE CHARACTERISTICS

- Exhibits satin appearance with non-burnishing characteristics. Typical gloss reading is 25-35% with a 60° gloss meter. This is dependent on the ink, substrate and application method
- Exhibits excellent rub and scuff resistance
- **SUITABLE** for hot foil stamping, imprinting and gluing applications. Before doing so, KS-9212 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 39 - 41% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9224

Matte AQ Primer



PRODUCT DESCRIPTION

KS-9224 is an acrylic-based, matte aqueous primer coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work when fast drying and work and turn properties are desired.

PERFORMANCE CHARACTERISTICS

- Exhibits matte appearance with non-burnishing characteristics. Typical gloss reading is 10-15% with a 60° gloss meter. This is dependent on the ink, substrate and application method.
- Exhibits excellent rub and scuff resistance.
- **SUITABLE** for hot foil stamping, imprinting and gluing applications. Before doing so, KS-9224 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 37 - 39% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9101



High Rub Work & Turn Gloss AQ Coating

PRODUCT DESCRIPTION

KS-9101 is an acrylic-based aqueous coating for application to paper and paperboard with in-line anilox coater/dampeners. Typical applications include commercial sheetfed work where one coating is desired for broad use in the pressroom.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent gloss and clarity.
- Exhibits excellent rub and scuff resistance.
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9101 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.

PHYSICAL PROPERTIES

- **Viscosity:** 18 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 38 - 43% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9099



Low Odor Gloss AQ Coating

PRODUCT DESCRIPTION

KS-9099 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work when one coating is desired for broad use in the pressroom. KS-9099 may dry slightly slower than conventional work and turn coatings

PERFORMANCE CHARACTERISTICS

- Exhibits very low odor compared to conventional coatings
- Exhibits good gloss and clarity
- Exhibits good rub and scuff resistance
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9099 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Recommended for use as a single-sided and work and turn coating. Since KS-9099 dries slightly slower than work and turn coatings, care must be exercised to ensure adequate drying of the first side before printing the second side.

PHYSICAL PROPERTIES

- **Viscosity:** 18 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 36 - 38% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9103

Low Burn Gloss AQ Coating



PRODUCT DESCRIPTION

KS-9103 is an acrylic-based aqueous coating for application to paper and paperboard with in-line anilox coater/dampeners. Typical applications include commercial sheetfed work where one coating is desired for broad use in the pressroom.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent low-burn properties with alkali blue, rhodamine, and florescent pigments. This property must be evaluated prior to using on press
- Exhibits good gloss and clarity
- Exhibits good rub and scuff resistance
- "**MAY BE SUITABLE**" for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9103 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.

PHYSICAL PROPERTIES

- **Viscosity:** 17 - 20" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 40 - 45% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9482

Low Burn Satin AQ Coating



PRODUCT DESCRIPTION

KS-9482 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work where a satin appearance is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent satin appearance with non-burnishing characteristics. Typical gloss reading is 25-30% with a 60° gloss meter dependent on ink, substrate and application method
- Exhibits excellent rub and scuff resistance
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9482 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 18 - 21" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 40 - 45% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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DATE REVISED 01/17/2017

TECHNICAL DATA SHEET

KS-9481

Low Burn Matte AQ Coating



PRODUCT DESCRIPTION

KS-9481 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work where a matte appearance is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent matte appearance with non-burnishing characteristics. Typical gloss reading is 10-20% with a 60° gloss meter dependent on ink, substrate and application method
- Exhibits excellent rub and scuff resistance
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9481 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 17 - 21" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 40 - 45% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9117

Low Curl Gloss AQ Coating



PRODUCT DESCRIPTION

KS-9117 is an acrylic-based aqueous coating for application to paper and paperboard with in-line anilox coater/dampeners. KS-9117 is formulated to reduce the curling of low basis weight substrates. Typical application is commercial or folding carton work where one coating is desired for broad use in the pressroom.

PERFORMANCE CHARACTERISTICS

- Exhibits good gloss and clarity
- Exhibits good rub and scuff resistance
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9117 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.

PHYSICAL PROPERTIES

- **Viscosity:** 17 - 20" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 36 - 38% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9457

Low Curl Satin AQ Coating



PRODUCT DESCRIPTION

KS-9457 is an acrylic-based aqueous coating formulated to minimize curling of low basis weight substrates. Typical application is to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work where a satin finish is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent satin appearance with non-burnishing characteristics. Typical gloss reading is 25-30 points with a 60° gloss meter dependant on ink, substrate and application method.
- Exhibits good rub and scuff resistance
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9457 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for use as a single-sided and work and turn coating

PHYSICAL PROPERTIES

- **Viscosity:** 18 - 20" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 38 - 40% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9478

Low Curl Matte AQ Coating



PRODUCT DESCRIPTION

KS-9478 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work where a matte appearance is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent matte appearance with non-burnishing characteristics. Typical gloss reading is 10-20% with a 60° gloss meter dependent on ink, substrate and application method
- Exhibits excellent rub and scuff resistance
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9478 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 15 - 17" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 40 - 44% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9242



Chemical Resistant Gloss AQ Coating

PRODUCT DESCRIPTION

KS-9242 is formulated as an aqueous flexographic coating for use on paper, BOPP and other plastic and synthetic substrates for water and chemical resistance are the highest priority. For additional information regarding specific applications, please contact your KUSTOM SERVICES, INC. representative.

PERFORMANCE CHARACTERISTICS

- Excellent wet-block resistance under normal conditions (24 hours required to develop full properties). As with all aqueous coatings and film structures, extremely humid and moist conditions may contribute to wet-block failure. Laboratory results may not correlate to conditions in the field.
- Contains less than 1.0% VOC's.
- Excellent rub and scuff resistance (Sutherland 50X4# face-to-face).
- When fully cured, provides excellent chemical resistance to a broad range of materials.

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 24" #3 Zahn (Signature) @ 77° F
- **pH:** 8.6 - 9.1 @ 77° F
- **Solids:** 36 - 38% Method 24
- **Shelf Life:** One year (unopened container)

APPLICATION INFORMATION

- Application Viscosity: Stir before using. Use at room temperature (65-80°F).
- Viscosity Adjustment: Water or 90 water/10 alcohol blend to printing viscosity.
- Drying Requirements: For best results, aqueous coatings require a sufficient volume of warm air directed onto the coated surface. The use of IR units (short or medium wavelengths) can provide drying assistance in many applications. Exercise care to avoid load or roll temperatures in excess of 90° F
- Application Weight: 0.8 - 1.2 pounds per 1000 square feet at a minimum.
- Ink Formulary: Limit wax to typical polyethylene to ensure proper inter-coat adhesion. Avoid the use of pigments that may bleed or change color when in contact with an alkaline product. As a precaution, always evaluate new ink formulations/technologies with this aqueous coating.

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TECHNICAL DATA SHEET

KS-9461



Satin AQ Sealer for Uncoated Stocks

PRODUCT DESCRIPTION

KS-9461 is an acrylic-based aqueous coating to seal and mimic the gloss of the stock for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work where a satin appearance is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent satin appearance with non-burnishing characteristics. Typical gloss reading is 40-50% with a 60° gloss meter dependent on ink, substrate and application method
- Exhibits excellent rub and scuff resistance
- "**MAY BE SUITABLE**" for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9461 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 35 - 38% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9470

Extreme Matte AQ Coating



PRODUCT DESCRIPTION

KS-9470 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work where a matte finish is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent matte appearance with non-burnishing characteristics. Typical gloss reading is 5 - 10 points with a 60° gloss meter dependant on ink, substrate and application method.
- Exhibits good rub and scuff resistance
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9470 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for use as a single-sided and work and turn coating

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 36 - 39% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9500



Water-based Heat Seal Coating

PRODUCT DESCRIPTION

KS-9500 is a water-based heat seal coating. It is designed to provide a non blocking, glossy surface that can be used to bond paperboard to plastic films. Typical application is in line over offset inks using any conventional anilox or roll coater. Wax free or qualified inks must be used and suitable grades of paperboard should also be qualified.

PERFORMANCE CHARACTERISTICS

- Suggested coat weight of 1.5 - 2.5 dry pounds/3000 ft²
- Compatible with PVC, PETG, CAP, CAB films
- 340 to 375°F suggested sealing temperature
- Block resistance to 125°F/3 psi - face to back

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 25" #3 Zahn (Signature) @ 77° F
- **Solids:** 36 - 38% Method 24
- **Shelf Life:** Printed sheets will have a shelf life for sealing of 12 months or more depending on proper ink and board selection as well as maintaining adequate coat weights during the application. It is advisable to use a shelf life of three months until the system is qualified and aged.

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9009



Gloss AQ Coating for Metalized Substrates

PRODUCT DESCRIPTION

KS-9009 is an acrylic-based aqueous coating for application to metalized substrates with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent gloss and clarity.
- Exhibits excellent rub and scuff resistance.
- Excellent adhesion to foil stocks.
- Exhibits good low curl properties for low basis weight stocks
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9009 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.

PHYSICAL PROPERTIES

- **Viscosity** 17 - 20" #3 Zahn (Signature) @ 77° F
- **pH** 8.0 - 8.5 @ 77° F
- **Solids** 38 - 40% Method 24
- **Shelf Life** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9018

Polyboard Gloss AQ Coating



PRODUCT DESCRIPTION

KS-9018 is an acrylic-based aqueous coating for application to polyboard, paper and select non-porous substrates with in-line coater/dampeners and blanket coaters.

PERFORMANCE CHARACTERISTICS

- For stocks with a minimum 40 dyne level
- Formulated specifically for excellent adhesion to polyboard stocks over polyboard lithographic inks.
- Care should be exercised if double-sided polyboard is going to be used. We recommend that this be evaluated very carefully before using and monitored while production jobs are running. There are many variables that could contribute to blocking/sticking under these conditions.
- Faster drying than most polyboard coatings without mud cracking over heavy ink coverage.
- Exhibits good gloss and clarity.
- Exhibits good rub and scuff resistance.
- Not considered suitable for hot foil stamping, imprinting and gluing applications. Must test prior to attempting.

PHYSICAL PROPERTIES

- **Viscosity** 20 - 22" #3 Zahn (Signature) @ 77° F
- **pH** 8.7 - 9.2 @ 77° F
- **Solids** 36 - 38% Method 24
- **Shelf Life** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9410



Satin AQ Coating for Non-Porous Substrate

PRODUCT DESCRIPTION

KS-9410 is an acrylic-based aqueous coating for application to non-porous substrates with in-line coater/dampeners and blanket coaters. KS-9410 exhibits good adhesion on most non-porous substrates (polyboard, styrene, vinyl, foil, metalized, etc.) It requires a minimum of 40 dynes to ensure good leveling and adhesion.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent satin appearance with non-burnishing characteristics. Typical gloss reading is 10-20 points with a 60° gloss meter dependant on ink, substrate and application method.
- Exhibits good rub and scuff resistance.
- **"NOT SUITABLE"** for hot foil stamping, imprinting and gluing applications. KS-9410 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for use as a single-sided coating and should be tested for use as a work and turn coating. .

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.5 – 9.0 @ 77° F
- **Solids:** 36 - 38% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9236



Fast Drying Gloss AQ Coating for Plastic

PRODUCT DESCRIPTION

KS-9236 is formulated as an acrylic-based aqueous coating for application to a wide array of plastic and non-porous substrates with in-line coater/dampeners and blanket coaters. Typical applications include specialty and label work.

PERFORMANCE CHARACTERISTICS

- Exhibits adequate drying and press performance
- Exhibits excellent rub and scuff resistance
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9236 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for one and/or two side; 24 hours minimum dry on side one, printing.

PHYSICAL PROPERTIES

- **Viscosity:** 18 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 40 - 42% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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DATE REVISED 01/17/2017

TECHNICAL DATA SHEET

KS-9474



Fast Drying Satin AQ Coating for Plastic

PRODUCT DESCRIPTION

KS-9474 is an acrylic-based aqueous coating for application to a wide array of plastic and non-porous substrates with in-line coater/dampeners. Typical applications include specialty and label work

PERFORMANCE CHARACTERISTICS

- Exhibits excellent satin appearance with non-burnishing characteristics. Typical gloss reading is 25-30% with a 60° gloss meter. This is dependent on the ink, substrate and application method.
- Exhibits excellent rub and scuff resistance.
- Exhibits good non-burnishing properties.
- **May be suitable** for hot foil stamping, imprinting and gluing applications.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 18 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 38 - 41% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

FOR YOUR PROTECTION:

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DATE REVISED 01/17/2017

TECHNICAL DATA SHEET

KF-8014

Flexo Pearl AQ Coating



PRODUCT DESCRIPTION

KF-8014 is formulated as an aqueous flexo coating containing a silver pearl pigment for use on SBS, Clay Coated Newsback and other paperboard or paper substrates. Typical applications would be for folding cartons, labels and other work that requires good gloss and rub resistance. For additional information regarding specific applications, please contact your KUSTOM SERVICES, INC. representative.

PERFORMANCE CHARACTERISTICS

- Exhibits good gloss and clarity with a pearl sheen.
- Contains less than 1% VOC's
- **MAY BE SUITABLE** for some hot foil stamping, imprinting and gluing applications. Before doing so, KF-8014 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.

PHYSICAL PROPERTIES

- **Viscosity:** 25 - 28" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 45 - 55% Method 24
- **Shelf Life:** One year (unopened container)

Application Information

- Application Viscosity: Stir before using. Use at room temperature (65-80°F).
- Viscosity Adjustment: Water or 80 water/20 alcohol blend to printing viscosity.
- Drying Requirements: For best results, aqueous coatings require a sufficient volume of warm air directed onto the coated surface.
- Application Weight: 0.8 - 1.2 pounds per 1000 square feet at a minimum.
- Ink Formulary: Limit wax to typical polyethylene to ensure proper inter-coat adhesion. Avoid the use of pigments that may bleed or change color when in contact with an alkaline product. As a precaution, always evaluate new ink formulations/technologies with this aqueous coating.

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DATE REVISED 01/17/2017

TECHNICAL DATA SHEET

KF-8077



Flexo Non Skid Postprint AQ Coating

PRODUCT DESCRIPTION

KF-8077 is formulated as an aqueous flexo overprint for use on SBS, Clay Coated Newsback and other paperboard or paper substrates. Typical applications include corrugated displays where gloss and high slide angle is important. For additional information regarding specific applications, please contact your KUSTOM SERVICES, INC. representative.

PERFORMANCE CHARACTERISTICS

- Exhibits good gloss and clarity.
- Exhibits high slide angle (WAX-FREE).
- Exhibits satisfactory rub and scuff resistance (Sutherland 50X4# face-to-face).
- Good press performance and drying speed.

PHYSICAL PROPERTIES

- **Viscosity:** 19 - 25" #2 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 40 - 45% Method 24
- **Shelf Life:** One year (unopened container)
- **Static Slide Angle:** 30 - 35

Application Information

- Application Viscosity: Stir before using. Use at room temperature (65-80°F).
- Viscosity Adjustment: Water or 80 water/20 alcohol blend to printing viscosity.
- Drying Requirements: For best results, aqueous coatings require a sufficient volume of warm air directed onto the coated surface.
- Application Weight: 0.8 - 1.2 pounds per 1000 square feet at a minimum.
- Ink Formulary: Limit wax to typical polyethylene to ensure proper inter-coat adhesion. Avoid the use of pigments that may bleed or change color when in contact with an alkaline product. As a precaution, always evaluate new ink formulations/technologies with this aqueous coating.

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TECHNICAL DATA SHEET

KS-9001



Highest Gloss Aqueous Coating

PRODUCT DESCRIPTION

KS-9001 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. KS-9001 produces higher gloss than typical aqueous coatings and is intended as a low cost alternate to UV Coating. Typical applications include commercial or folding carton sheetfed work when highest possible gloss is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent gloss; mid 70's on a 60 degree meter has been achieved with excellent clarity.
- Exhibits excellent rub and scuff resistance.
- "**MAY BE SUITABLE**" for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9001 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Recommended for one-sided printing only.

PHYSICAL PROPERTIES

- **Viscosity:** 27 - 29" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 37 - 39% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9076

Pearlescent AQ Coating



PRODUCT DESCRIPTION

KS-9076 is an acrylic-based aqueous coating containing silver pearl pigment for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work where a pearl or iridescent appearance is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent gloss and clarity.
- Exhibits excellent rub and scuff resistance.
- Exhibits typical luster and iridescent characteristics associated with pearl pigments.
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9076 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier-to-supplier. Feel free to contact Kustom Group for additional information.

PHYSICAL PROPERTIES

- **Viscosity:** 18 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 36 - 38% Method 24
- **Shelf Life:** One year (unopened container)

***** Requires mixing prior to use as pearl pigments exhibit a tendency to settle *****

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9801



Reactive Agent Security AQ Coating

PRODUCT DESCRIPTION

KS-9801 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include checks, receipts, rebate forms and other documents that require a tamper-evident color shift.

PERFORMANCE CHARACTERISTICS

- Contains a reactive agent which will produce an orange-brown stain when exposed to hypochlorite solution.
- Exhibits good gloss and clarity.
- Exhibits excellent rub and scuff resistance.
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KS-9801 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.

PHYSICAL PROPERTIES

- **Viscosity:** 9 - 11" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 35 - 40% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9810

Sandy Gloss AQ Coating



Product Description:

KS-9810 is a special effect tactile aqueous coating for application to paper and paperboard with litho in-line coaters and flexo presses that are equipped with chambered doctor blade anilox systems. Typical applications include commercial, folding carton and specialty printing work where a textured or sandpaper finish is desired.

Performance Characteristics:

- Textured or Sandpaper feel with a gloss appearance
 - A normal volume anilox roller should provide the desired film thickness for textured properties.
 - A chambered doctor blade anilox configuration will exhibit a smoother appearance versus a 2-roll coater.
 - **"MAY BE SUITABLE"** for hot foil stamping, off-line UV coating, imprinting and gluing applications.
- KS-9810 should be completely evaluated under production conditions using the actual substrate, ink, and materials for foil stamping, off-line UV coating, imprinting and gluing to ensure satisfaction throughout the entire process.

Application Advisements:

- Mixing before and during use is highly recommended
- Ensure ink system will dry/cure thoroughly. Avoid extreme stay open inks.
- Use short lifts for sheetfed litho jobs with heavy ink coverage.
- *** KS-9810 contains a 30 - 40 micron size dry material that could cause increased wear of printing application materials such as doctor blades, anilox rollers, pumps, etc., or cause other performance issues typically associated with coatings containing dry/abrasive types of material. For this reason, Kustom Group accepts no liability for the use of KS-9810 and recommends extensive testing and care be used to minimize these conditions.

Physical Properties:

- **Viscosity:** 15 - 20" #4 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 40 - 50% Method 24

Pigment Selection:

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9803

Sandy Satin AQ Coating



Product Description:

KS-9803 is a special effect tactile aqueous coating for application to paper and paperboard with litho in-line coaters and flexo presses that are equipped with chambered doctor blade anilox systems. Typical applications include commercial, folding carton and specialty printing work where a textured or sandpaper finish is desired.

Performance Characteristics:

- Textured or Sandpaper feel with a satin appearance.
 - A normal volume anilox roller should provide the desired film thickness for textured properties.
 - A chambered doctor blade anilox configuration will exhibit a smoother appearance versus a 2-roll coater.
 - **"MAY BE SUITABLE"** for hot foil stamping, off-line UV coating, imprinting and gluing applications.
- KS-9803 should be completely evaluated under production conditions using the actual substrate, ink, and materials for foil stamping, off-line UV coating, imprinting and gluing to ensure satisfaction throughout the entire process.

Application Advisements:

- Mixing before and during use is highly recommended
- Ensure ink system will dry/cure thoroughly. Avoid extreme stay open inks.
- Use short lifts for sheetfed litho jobs with heavy ink coverage.
- *** KS-9803 contains a 30 - 40 micron size dry material that could cause increased wear of printing application materials such as doctor blades, anilox rollers, pumps, etc., or cause other performance issues typically associated with coatings containing dry/abrasive types of material. For this reason, Kustom Group accepts no liability for the use of KS-9803 and recommends extensive testing and care be used to minimize these conditions.

Physical Properties:

- **Viscosity:** 20 - 25" #4 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 40 - 50% Method 24

Pigment Selection:

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9815

Sandy Matte AQ Coating



Product Description:

KS-9815 is a special effect tactile aqueous coating for application to paper and paperboard with litho in-line coaters and flexo presses that are equipped with chambered doctor blade anilox systems. Typical applications include commercial, folding carton and specialty printing work where a textured or sandpaper finish is desired.

Performance Characteristics:

- Textured or Sandpaper feel with a matte appearance.
 - A normal volume anilox roller should provide the desired film thickness for textured properties.
 - A chambered doctor blade anilox configuration will exhibit a smoother appearance versus a 2-roll coater.
 - **"MAY BE SUITABLE"** for hot foil stamping, off-line UV coating, imprinting and gluing applications.
- KS-9815 should be completely evaluated under production conditions using the actual substrate, ink, and materials for foil stamping, off-line UV coating, imprinting and gluing to ensure satisfaction throughout the entire process.

Application Advisements:

- Mixing before and during use is highly recommended
- Ensure ink system will dry/cure thoroughly. Avoid extreme stay open inks.
- Use short lifts for sheetfed litho jobs with heavy ink coverage.
- *** KS-9815 contains a 30 - 40 micron size dry material that could cause increased wear of printing application materials such as doctor blades, anilox rollers, pumps, etc., or cause other performance issues typically associated with coatings containing dry/abrasive types of material. For this reason, Kustom Group accepts no liability for the use of KS-9815 and recommends extensive testing and care be used to minimize these conditions.

Physical Properties:

- **Viscosity:** 23 - 28" #4 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 40 - 50% Method 24

Pigment Selection:

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9812



Smoother Lay Soft Feel AQ Coating

Product Description:

KS-9812 is a soft feel aqueous coating with enhanced lay and film forming properties to improve the appearance and robustness of the applied coating. KS-9812 is typically applied to paper and paperboard with litho in-line coaters and flexo presses that are equipped with chambered doctor blade anilox systems for commercial, folding carton and specialty print work. Contact Kustom Group for additional information, as it is important to fully understand the optimum conditions for success.

Performance Characteristics:

- Soft-Feel exhibits an excellent matte appearance and non-burnishing characteristics.
- A 12-14 BCM anilox roller should provide the desired film thickness for "Soft-Feel" properties.
- A chambered doctor blade anilox configuration will exhibit a smoother appearance versus a 2-roll coater. If using a roller coater, we suggest using KS-9812HV.
- KS-9812 exhibits superior rub and scuff resistance.
- **"MAY BE SUITABLE"** for hot foil stamping, off-line UV coating, imprinting and gluing applications, but should be completely evaluated under production conditions using the actual substrate, ink, and materials for foil stamping, off-line UV coating, imprinting and gluing to ensure satisfaction throughout the entire process.

Application Advisements:

- Ensure ink system will dry/cure thoroughly. Avoid extreme stay open and metallic inks.
- Use short lifts for sheetfed litho jobs with heavy ink coverage.

Physical Properties:

- **Viscosity:** 20 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.2 - 8.7 @ 77° F
- **Solids:** 32-36% Method 24
- **Shelf Life:** One year (unopened container)

Pigment Selection:

Most aqueous coatings are alkaline in pH because of the presence of ammonia. We recommend that the printer avoid the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this sensitivity to alkali include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments.

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TECHNICAL DATA SHEET

KS-9315

HS Dry Trap AQ Coating



PRODUCT DESCRIPTION

KS-9315 is an acrylic-based aqueous coating for application to paper with in-line coaters. Typical applications include commercial and publication heatset work where high gloss is required. KS-9315 is designed to work over dried heatset ink and receive another pass through the oven.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent gloss and clarity.
- Exhibits good rub and scuff resistance.
- **"NOT SUITABLE"** for hot foil stamping, imprinting and gluing applications.

PHYSICAL PROPERTIES

- **Viscosity:** 18 - 22" #2 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 30 - 32% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9845

AQ Digital Sizing /Primer



PRODUCT DESCRIPTION

KS-9845 is an aqueous sizing similar to Sapphire and DigiPrime specifically formulated for application to various paper substrates making them HP Indigo ink receptive. Typical application is with an anilox coater. KS-9845 may be evaluated as a primer over toner based or ink jet inks.

PERFORMANCE CHARACTERISTICS

- Improves adhesion of HP Indigo inks to the resulting substrate
- Adhesion to multiple paper substrates
- Low viscosity allows for easy application with most standard anilox systems. (Not recommended for roll coater, tower coaters or higher volume anilox)

PHYSICAL PROPERTIES

- **Viscosity:** 10 - 12" #3 Zahn (Signature) @ 77° F
- **pH:** 10.0 – 11.0 @ 77° F
- **VOC's:** 0 – 2% Method 24
- **Specific Gravity:** 1.01
- **Shelf Life:** One year (unopened container)

END USE CONSIDERATIONS

Due to the variabilities present, KS-9845 should be evaluated under production conditions for proper HP Indigo ink adhesion.

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TECHNICAL DATA SHEET

KS-9846



Digital Ink Receptive Coating for Plastic

PRODUCT DESCRIPTION

KS-9846 is an aqueous substrate primer similar to DigiPrime specifically formulated for application to plastic substrates making them HP Indigo ink receptive. Typical application is with an anilox coater. KS-9846 may be evaluated as a primer over toner based or ink jet inks.

PERFORMANCE CHARACTERISTICS

- Improves adhesion of HP Indigo inks to the resulting substrate
- Adhesion to multiple non-porous substrates
- Low viscosity allows for easy application with most standard anilox systems. (Not recommended for roll or tower coaters as well higher volume anilox)

PHYSICAL PROPERTIES

- **Viscosity:** 16 - 20" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 10.0 @ 77° F
- **Specific Gravity:** 1.02
- **Shelf Life:** One year (unopened container)

END USE CONSIDERATIONS

Due to the variability's present, KS-9846 should be evaluated under production conditions for proper HP Indigo ink adhesion.

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TECHNICAL DATA SHEET

KS-9847



AQ Inkjet Receptive Non-Porous Sizing

PRODUCT DESCRIPTION

KS-9847 is an aqueous sizing/primer for plastic and other non-porous substrates that improves AQ Inkjet receptivity and drying. Typical application is with an anilox coater.

PERFORMANCE CHARACTERISTICS

- Improves adhesion
- Matte appearance
- Adhesion to multiple substrates
- Viscosity allows for easy application with most standard and higher volume anilox systems

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 30" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 10.0 @ 77° F
- **Specific Gravity:** 1.15
- **Shelf Life:** One year (unopened container)

END USE CONSIDERATIONS

Due to the many variables present, KS-9847 should be evaluated under production conditions for proper AQ Inkjet ink adhesion.

FOR YOUR PROTECTION:

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DATE REVISED 01/16/2017

TECHNICAL DATA SHEET

KS-9852



Gloss AQ Coating for Digital Ink

PRODUCT DESCRIPTION

KS-9852 is an acrylic-based aqueous coating for application over HP Indigo (sizing dependent) digital ink printed on paper and paperboard substrates. KS-9852 may be applied with in-line or off-line coater/dampeners.

PERFORMANCE CHARACTERISTICS

- Good rub and scuff resistance.
- Great wetting and adhesion.
- May be evaluated over other toner and wax based digital printing
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting, UV coating and gluing applications. Before doing so, KS-9852 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting, UV coating and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.

PHYSICAL PROPERTIES

- **Viscosity:** 19 - 21" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Specific Gravity:** 1.05
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET



KS-9853

Satin AQ Coating for Digital Ink

PRODUCT DESCRIPTION

KS-9853 is an acrylic-based aqueous coating for application over HP Indigo (sizing dependent) digital ink printed on paper and paperboard substrates. KS-9853 may be applied with in-line or off-line coater/dampeners.

PERFORMANCE CHARACTERISTICS

- Excellent satin appearance and non-burnishing characteristics. A typical gloss reading is 25-35% with a 60° gloss meter dependent on ink, substrate and application method.
- Great wetting and adhesion.
- May be evaluated over other toner and wax based digital printing.
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting, UV coating and gluing applications. Before doing so, KS-9853 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting, UV coating and gluing vary from supplier-to-supplier. Feel free to contact Kustom Group for additional information.

PHYSICAL PROPERTIES

- **Viscosity:** 16 - 18" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Specific Gravity:** 1.04
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KS-9855

Matte AQ Coating for iGen



PRODUCT DESCRIPTION

KS-9855 is a matte acrylic-based aqueous coating specifically formulated for application over Xerox iGen and select other toner based digitally printed material. Typical application is with in-line or off-line anilox coater.

PERFORMANCE CHARACTERISTICS

- Matte appearance, 0-15, 60 degree gloss meter Leneta form 3NT-31
- Good rub and scuff resistance.
- May be used for some hot foil stamping, imprinting, UV coating and gluing applications. Before doing so, KS-9855 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting, UV coating and gluing vary from supplier-to-supplier. Feel free to contact Kustom Group for additional information.

PHYSICAL PROPERTIES

- **Viscosity:** 30 - 34" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Specific Gravity:** 1.06
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KUL-8000



Economical Work & Turn Gloss AQ Coating

PRODUCT DESCRIPTION

KUL-8000 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners. KUL-8000 is the fastest drying gloss coating Kustom Group offers. Typical applications include commercial sheetfed work when one coating is desired for broad use in the pressroom.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent gloss and clarity
- Exhibits excellent rub and scuff resistance.
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KUL-8000 should be completely evaluated under production conditions using the actual substrate and ink as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 16 - 18" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 37 - 39% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KUL-8100

Satin AQ Coating



PRODUCT DESCRIPTION

KUL-8100 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners. Typical applications include commercial or folding carton sheetfed work where a satin finish is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent satin appearance with non-burnishing characteristics. Typical gloss reading is 25-35 points with a 60° gloss meter. This is dependant on the ink, substrate and application method.
- Exhibits good rub and scuff resistance.
- "**MAY BE SUITABLE**" for some hot foil stamping, imprinting and gluing applications. Before doing so, KUL-8100 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier-to-supplier. Feel free to contact Kustom Group for additional information.
- Suitable for use as a single-sided and work and turn coating. .

PHYSICAL PROPERTIES

- **Viscosity:** 16 - 18" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 36 - 38% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KUL-8200

Economical Matte AQ Coating



PRODUCT DESCRIPTION

KUL-8200 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work where a matte appearance is desired.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent matte appearance with non-burnishing characteristics. Typical gloss reading is 10-20% with a 60° gloss meter dependent on ink, substrate and application method
- Exhibits excellent rub and scuff resistance
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KUL-8200 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 23" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 36 - 39% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KUL-8005



Lower Slide Work & Turn Gloss AQ Coating

PRODUCT DESCRIPTION

KUL-8005 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners. KUL-8005 has lower slide angle properties for increased slip to help during finishing. Typical applications include commercial sheetfed work when one coating is desired for broad use in the pressroom.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent gloss and clarity
- Exhibits excellent rub and scuff resistance.
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KUL-8005 should be completely evaluated under production conditions using the actual substrate and ink as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 16 - 18" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 37 - 39% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KUL-8077



Low Foam Work & Turn Gloss AQ Coating

PRODUCT DESCRIPTION

KUL-8077 is an acrylic-based aqueous coating for application to paper and paperboard with in-line coater/dampeners. KUL-8077 is optimized to reduce and fight foam for long, high speed applications. Typical applications include commercial sheetfed work when one coating is desired for broad use in the pressroom.

PERFORMANCE CHARACTERISTICS

- Exhibits excellent gloss and clarity
- Exhibits excellent rub and scuff resistance.
- **"MAY BE SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KUL-8077 should be completely evaluated under production conditions using the actual substrate and ink as materials for foil stamping, imprinting and gluing vary from supplier to supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 16 - 18" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 37 - 39% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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TECHNICAL DATA SHEET

KUL-8302

AQ Primer



PRODUCT DESCRIPTION

KUL-8302 is an acrylic-based aqueous primer coating for application to paper and paperboard with in-line coater/dampeners and blanket coaters. Typical applications include commercial or folding carton sheetfed work when fast drying and work and turn properties are desired.

PERFORMANCE CHARACTERISTICS

- Exhibits good gloss and clarity.
- Exhibits excellent rub and scuff resistance.
- **"SUITABLE"** for some hot foil stamping, imprinting and gluing applications. Before doing so, KUL-8302 should be completely evaluated under production conditions using the actual substrate and ink, as materials for foil stamping, imprinting and gluing vary from supplier-to-supplier. Feel free to contact Kustom Group for additional information.
- Suitable for work & turn and one-side printing.

PHYSICAL PROPERTIES

- **Viscosity:** 20 - 22" #3 Zahn (Signature) @ 77° F
- **pH:** 8.0 - 8.5 @ 77° F
- **Solids:** 37 - 40% Method 24
- **Shelf Life:** One year (unopened container)

PIGMENT SELECTION

Most aqueous coatings are alkaline in pH because of the presence of ammonia and/or amines. Kustom Group recommends avoiding the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating. Pigments that typically exhibit this alkali sensitivity include YS Rhodamine, BS Rhodamine, Methyl Violet, Fluorescent, Red Lake C, Alkali Blue (Reflex Blue) and possibly other pigments. Many pigments normally considered safe may prove to be problematic in low color strength color matches. The safest option is to use inks formulated to resist this burn potential. As a precaution, we strongly recommend that new pigments and ink formulations be evaluated with this coating.

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