

MOST POPULAR H-UV PRODUCTS



H-UV Coatings

KS-462	Gloss H-UV Coating Excellent top cure, low yellowing and high gloss
KS-850	Satin H-UV Coating 60 degree gloss reading less than 40
KS-851	Matte H-UV Coating 60 degree gloss reading less than 15
KS-832	Gloss Foil-Stampable H-UV Coating Gluable and imprintable too.

H-UV Litho Overprints

KS-880	Gloss Litho H-UV OPV Excellent top cure, low yellowing and high gloss
KS-881	Satin Litho H-UV OPV 60 degree gloss reading less than 40
KS-882	Matte Litho H-UV OPV 60 degree gloss reading less than 15

Specialty H-UV Coatings

KS-805	BZP Free Coarse Matte Sandy Feel H-UV Coating Roughest feeling H-UV coating
KS-809	Sandy Matte H-UV Coating Fine sandy/grit feel with matte appearance
KS-834	Fine Sandy Satin H-UV/LE-UV Coating Fine sandy/grit feel with matte appearance
KS-831	Sparkle H-UV/LE-UV Coating Large micron glitter gloss coating
KS-835	Silver Pearl H-UV/LE-UV Coating Pearlescent coating
KS-838	Raised High Gloss H-UV Coating High build or raised effect with emboss appearance

H-UV Strike-Thru

- | | |
|--------|--|
| KS-855 | Low Energy Curing Gloss Coating for Smooth Strike-Thru
Excellent contrast when flood coated over spot applied KB-3128 |
| KS-899 | Reticulation Strike-Thru Gloss Litho H-UV OPV
Spot applied litho varnish used to create reticulation effect with KS-854 |
| KS-854 | Reticulation Strike-Thru Gloss H-UV Coating
Flood coat application lays smooth over inks and reticulates over KS-899 |
| KS-800 | BZP Free Reticulation Strike-Thru Gloss H-UV Coating
Benzophenone free version of KS-854 |



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

Revised: 02/22/2017

Technical Data Sheet

KS-462

Gloss H-UV Coating



Product Description

KS-462 is formulated as a fast cure, high gloss H-UV coating. KS-462 also gives the unique combination of above-average imprintability properties* with a more slippery feel (lower slide angle) versus typical imprintable coatings. Applications include paper and paperboard stocks. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Fast cure with high gloss
- Unique combination of imprintability with good slip.
- Very good hold out on porous stock.

Physical Properties

- Viscosity 18 – 22 sec. #3 Zahn
- Specific Gravity 1.12
- Solids > 99%

End Use Considerations

KS-462 should be evaluated in the laboratory using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, UV coatings may not exhibit complete intercoat adhesion over some ink systems. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

Certain precautions should be taken when handling this product. Please refer to the Safety Data Sheet (SDS) for further details. This product contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Since irritation may not occur immediately, contact can go unnoticed. Consult the SDS for appropriate equipment prior to using this or any other materials referred to in this Technical Data Sheet.

***Always test to make sure imprintability properties are acceptable prior to any production run.**

FOR YOUR PROTECTION:

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DATE REVISED: 01/17/2017

Technical Data Sheet

KS-850

Satin H-UV Coating



Product Description

KS-850 is formulated as a fast cure, satin H-UV coating. KS-850 also gives the unique combination of above-average imprintability properties* with a more slippery feel (lower slide angle) versus typical imprintable coatings. Applications include paper and paperboard stocks. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Fast cure with satin gloss
- Unique combination of imprintability with good slip.
- Very good hold out on porous stock.

Physical Properties

- Viscosity 18 – 22 sec. #3 Zahn
- Specific Gravity 1.13
- Solids > 99%

End Use Considerations

KS-850 should be evaluated in the laboratory using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, UV coatings may not exhibit complete intercoat adhesion over some ink systems. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

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DATE REVISED: 01/17/2017

Technical Data Sheet

KS-851

Matte H-UV Coating



Product Description

KS-851 is formulated as a fast cure, matte H-UV coating. KS-851 also gives the unique combination of above-average imprintability properties* with a more slippery feel (lower slide angle) versus typical imprintable coatings. Applications include paper and paperboard stocks. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Fast cure with matte gloss
- Unique combination of imprintability with good slip.
- Very good hold out on porous stock.

Physical Properties

- Viscosity 18 – 22 sec. #3 Zahn
- Specific Gravity 1.12
- Solids > 99%

End Use Considerations

KS-851 should be evaluated in the laboratory using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, UV coatings may not exhibit complete intercoat adhesion over some ink systems. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

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DATE REVISED: 01/17/2017

Technical Data Sheet

KS-832

Foil Stampable
H-UV/LE-UV Gloss Coating



Product Description

KS-832 is formulated as a high gloss foil stampable H-UV/LE-UV coating for in-line application over H-UV/LE-UV inks. KS-832 is also recommended for H-UV/LE-UV reticulation strike thru. Typical applications include paper and paperboard substrates when one coating is desired for broad use in the pressroom. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent gloss and clarity
- Excellent cure response
- Excellent for foil stamping, imprinting and glue application
- May be suitable for laser imprintability.
- Recommended coating for H-UV/LE-UV Reticulation Strike Thru

Physical Properties

- Viscosity 18 – 22 sec. #3 Zahn
- Specific Gravity 1.07
- Solids > 99%

End Use Considerations

KS-832 should be evaluated in the laboratory using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, H-UV/LE-UV coatings may not exhibit complete intercoat adhesion over some ink systems. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

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DATE REVISED: 01/18/2017

Technical Data Sheet

KS-880

Gloss Litho H-UV OPV



Product Description

KS-880 is recommended for use as an H-UV overprint varnish where high performance, high gloss and fast cure response are desired. Typical applications include sheet-fed offset printing where the OPV is applied in-line over H-UV litho ink on paper, folding carton and select plastic stocks. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent cure response
- Excellent litho properties
- Adhesion to select plastic stocks
- Considered imprintable, foil-stampable, glueable, etc. (recommend testing first)

Physical Properties

- Viscosity 150 - 250 Poise (TA Rheometer)
- Tack 9 – 11 @ 800 rpm/1 minute
- Specific Gravity 1.14
- Solids > 99%

End Use Considerations

KS-880 should be evaluated under production conditions using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, UV overprint varnishes may not exhibit complete intercoat adhesion over some substrates. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

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Technical Data Sheet

KS-881

Satin Litho H-UV OPV



Product Description

KS-881 is recommended for use as an H-UV overprint varnish where high performance, satin finish and fast cure response are desired. Typical applications include sheet-fed offset printing where the OPV is applied in-line over H-UV litho ink on paper, folding carton and select plastic stocks. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent cure response
- Excellent litho properties
- Adhesion to select plastic stocks
- Considered imprintable, foil-stampable, glueable, etc. (recommend testing first)

Physical Properties

- | | |
|--------------------|--------------------------------|
| • Viscosity | 250 - 350 Poise (TA Rheometer) |
| • Tack | 7.0 – 9.0 @ 800 rpm/1 minute |
| • Specific Gravity | 1.13 |
| • Solids | > 99% |

End Use Considerations

KS-881 should be evaluated under production conditions using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, UV overprint varnishes may not exhibit complete intercoat adhesion over some substrates. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

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DATE REVISED: 01/17/2017

Technical Data Sheet

KS-882

Matte Litho H-UV OPV



Product Description

KS-882 is recommended for use as an H-UV overprint varnish where high performance, matte finish and fast cure response are desired. Typical applications include sheet-fed offset printing where the OPV is applied in-line over H-UV litho ink on paper, folding carton and select plastic stocks. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent cure response
- Excellent litho properties
- Adhesion to select plastic stocks
- Considered imprintable, foil-stampable, glueable, etc. (recommend testing first)

Physical Properties

- | | |
|--------------------|--------------------------------|
| • Viscosity | 300 – 500 Poise (TA Rheometer) |
| • Tack | 7.0 – 9.0 @ 800 rpm/1 minute |
| • Specific Gravity | 1.12 |
| • Solids | > 99% |

End Use Considerations

KS-882 should be evaluated under production conditions using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, UV overprint varnishes may not exhibit complete intercoat adhesion over some substrates. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

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DATE REVISED: 01/17/2017

Technical Data Sheet

KS-805

BZP Free Coarse Sandy H-UV Coating



Product Description

KS-805 is formulated as a fast cure, matte sandy H-UV coating. KS-805 provides a coarse sandy or rough feel. Applications include paper and paperboard stocks. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Fast cure with matte gloss
- Benzophenone (BZP) free
- Unique sandy/rough feel
- Very good hold out on porous stock
- MUST BE MIXED PRIOR TO AND WHILE USING

Physical Properties

- Viscosity 40 - 45 sec. #4 Zahn
- Specific Gravity 1.17
- Solids > 99%

End Use Considerations

KS-805 should be evaluated in the laboratory using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, UV coatings may not exhibit complete intercoat adhesion over some ink systems. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

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DATE REVISED: 01/18/2017

Technical Data Sheet

KS-809

Sandy Matte H-UV Coating



Product Description

KS-809 is a matte H-UV coating that provides a sandpaper feel upon printing over multiple types of ink on paper or paperboard substrates. KS-809's effect can be accentuated by increasing the amount of coating applied. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Textured or Sandpaper feel
- Excellent cure response
- Multiple application methods for desired effect
- Not considered imprintable, foil-stampable, glueable, etc.
- MUST BE MIXED PRIOR TO AND WHILE USING

Physical Properties

- Viscosity 20-24 sec. #4 Zahn
- Specific Gravity 1.13
- Solids > 99%

End Use Considerations

*** KS-809 contains a dry material at a small micron size 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-809 and recommends extensive testing and care be used when running KS-809 to minimize these conditions. KS-809 should be evaluated in the laboratory using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, H-UV coatings may not exhibit complete intercoat adhesion over some ink systems. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

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DATE REVISED: 01/18/2017

Technical Data Sheet

KS-834

Fine Sandy Satin H-UV/LE-UV Coating



Product Description

KS-834 is a satin H-UV/LE-UV coating that provides a sandpaper feel upon printing over multiple types of ink on paper or paperboard substrates. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Textured or Sandpaper feel
- Excellent cure response
- Multiple application methods for desired effect
- Not considered imprintable, foil-stampable, glueable, etc.
- MUST BE MIXED PRIOR TO AND WHILE USING

Physical Properties

- Viscosity 22-26 #4 Zahn
- Specific Gravity 1.11
- Solids > 99%

End Use Considerations

*** KS-834 contains a dry material at a small micron size 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-834 and recommends extensive testing and care be used when running KS-834 to minimize these conditions. KS-834 should be evaluated in the laboratory using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, H-UV/LE-UV coatings may not exhibit complete intercoat adhesion over some ink systems. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

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Technical Data Sheet

KS-831

Sparkle H-UV/LE-UV Coating



Product Description

KS-831 is formulated with multiple special effect pigments to create a brilliant sparkle effect. **KS-831** can be applied in-line over high intensity or low energy UV ink. Typical applications include commercial sheetfed printing on paper and paperboard substrates where attention getting is desired. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent sparkle effect
- Excellent cure response
- BZP (Benzophenone) free
- Not considered imprintable, foil-stampable, glueable, etc.
- ** Recommended application is a 25 BCM anilox or higher

Physical Properties

- Viscosity: 20 - 30" #5 Zahn @ 77F
- Specific Gravity: 1.17
- Solids: > 99%

End Use Considerations

KS-831 contains a pigment that may settle. Care needs to be taken to ensure the pigment stays in suspension by mixing thoroughly before and during press runs. **KS-831** should be evaluated under production conditions using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, UV coatings may not exhibit complete intercoat adhesion over some substrates. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

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Technical Data Sheet

KS-835

Silver Pearl H-UV/LE-UV Coating



Product Description

KS-835 is formulated with silver pearlescent pigment to be used as a special effect H-UV/LE-UV coating. KS-835 can be applied in-line over H-UV/LE-UV ink. Typical applications include commercial sheetfed printing on paper and paperboard substrates where excellent gloss and minimal gloss-back are desired. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Pearlescent Effect
- Excellent cure response
- Not considered imprintable, foil-stampable, glueable, etc.

Physical Properties

- Viscosity 27 - 30 sec. #4 Zahn
- Specific Gravity 1.17
- Solids > 99%

End Use Considerations

KS-835 contains pearlescent pigment that will settle. Care needs to be taken to ensure the pearl pigment stays in suspension by mixing thoroughly before and during press runs. KS-835 should be evaluated under production conditions using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, H-UV/LE-UV coatings may not exhibit complete intercoat adhesion over some substrates. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

Certain precautions should be taken when handling this product. Please refer to the Safety Data Sheet (SDS) for further details. This product contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Since irritation may not occur immediately, contact can go unnoticed. Consult the SDS for appropriate equipment prior to using this or any other materials referred to in this Technical Data Sheet.

FOR YOUR PROTECTION:

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DATE REVISED: 01/18/2017

Technical Data Sheet

KS-838

Raised High Gloss H-UV/LE-UV Coating



Product Description

KS-838 is formulated as a high viscosity H-UV/LE-UV coating for application over high intensity UV or low energy UV inks on paper or paperboard substrates. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent gloss and lay
- BZP (Benzophenone) free
- Excellent cure response
- Can be used to impart a raised look to finished coating (The process requires a high volume anilox and an etched, raised photopolymer plate [usually proprietary].)
- Can also be considered for other application methods (such as a gluer unit, roll coater, etc.) .
- Not considered imprintable, foil-stampable, glueable, etc.

Physical Properties

- Solids > 99%
- Specific Gravity 1.06
- Viscosity 12 – 14 Poise (TA rheometer)

End Use Considerations

KS-838 should be evaluated in the laboratory using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, H-UV coatings may not exhibit complete intercoat adhesion over some ink systems. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

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DATE REVISED: 01/18/2017

Technical Data Sheet

KS-855

Low Energy Curing Gloss Coating for Smooth Strike-Thru



Product Description

KS-855 is the recommended gloss coating for Smooth Strike-Thru effect on low energy cure presses like H-UV and LE-UV. Smooth Strike-Thru is accomplished by flood coating KS-855 in-line wet trap over KB-3011, Oil-based SF OPV. This system when applied correctly, will give a gloss/matte contrast in one pass through the press. This can be applied inline over low energy or hybrid ink. Typical applications include commercial sheetfed printing on paper or paperboard substrates where excellent gloss and minimal gloss-back are desired. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Recommended low energy coating for smooth strike thru with H-UV and LE-UV presses
- Excellent gloss and clarity
- Excellent cure response
- Good adhesion to select plastic stocks
- Foil-stampable and imprintable

Physical Properties

- Viscosity 10 - 12 sec. #3 Zahn
- Specific Gravity 1.08
- Solids > 99%

End Use Considerations

KS-855 should be evaluated under production conditions using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, energy cure coatings may not exhibit complete intercoat adhesion over some ink systems. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose low energy curable products to temperatures exceeding 100°F or direct ambient light for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

Certain precautions should be taken when handling this product. Please refer to the Safety Data Sheet (SDS) for further details. This product contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Since irritation may not occur immediately, contact can go unnoticed. Consult the SDS for appropriate equipment prior to using this or any other materials referred to in this Technical Data Sheet.

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Technical Data Sheet

KS-899

Reticulation Strike-Thru
Gloss Litho H-UV OPV



Product Description

KS-899 is recommended for use as an H-UV overprint varnish for spot application allowing KS-854 gloss coating to reticulate when printed overtop. When wet trapped, KS-899 causes KS-854 to reticulate and provide a pattern different from the normal overall lay of the flood coating. Typical applications include sheet-fed offset printing where the OPV is applied in-line over H-UV or hybrid H-UV litho ink on paper, folding carton and select plastic stocks. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent cure response with coating in wet trap application
- Excellent litho properties
- Adhesion to select plastic stocks

Physical Properties

- | | |
|--------------------|--------------------------------|
| • Viscosity | 125 – 175 Poise (TA Rheometer) |
| • Tack | 1.5 – 3.5 @ 400 rpm/1 minute |
| • Specific Gravity | 1.14 |
| • Solids | > 99% |

End Use Considerations

KS-899 should be evaluated under production conditions using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, H-UV overprint varnishes may not exhibit complete intercoat adhesion over some substrates. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

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Technical Data Sheet

KS-854

Reticulation Strike-Thru H-UV Coating



Product Description

KS-854 is formulated as a high gloss H-UV coating for in-line application over uncured KS-899 over UV or hybrid UV inks for reticulation strike-thru. Typical applications include paper and paperboard substrates. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent gloss and clarity
- Excellent cure response
- Excellent foil-stampability/imprintability/glueability
- May be suitable for laser imprintability.

Physical Properties

- Solids > 99%
- Specific Gravity 1.07
- Viscosity 18 – 22 sec. #3 Zahn

End Use Considerations

KS-854 should be evaluated under production conditions using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, UV coatings may not exhibit complete intercoat adhesion over some substrates. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

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Technical Data Sheet

KS-800

BZP Free Reticulation Strike-Thru Gloss H-UV Coating



Product Description

KS-800 is formulated as a fast cure, high gloss H-UV coating specifically formulated for reticulation strike-thru applications. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Fast cure with high gloss
- BZP (Benzophenone) free
- Very good hold out on porous stock

Physical Properties

- Viscosity 18 – 22 sec. #3 Zahn
- Specific Gravity 1.11
- Solids > 99%

End Use Considerations

KS-800 should be evaluated in the laboratory using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, UV coatings may not exhibit complete intercoat adhesion over some ink systems. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

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***Always test to make sure imprintability properties are acceptable prior to any production run.**

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