

Technical Data Sheet

KS-475

Rubber Feel UV Coating



Product Description

KS-475 is recommended as a high gloss UV coating specially formulated to provide a high slide angle and rubber feel. Typical applications are high volume anilox and screen for paper, paperboard and various non-porous substrates. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent gloss and clarity
- Excellent cure response
- High slide angle
- Considered imprintable, foil-stampable, glueable, etc. (recommend testing first)
- Recommend greater than 35 BCM anilox

Physical Properties

- Viscosity 40 - 45 sec. #3 Zahn
- Specific Gravity 1.12
- Solids > 99%

End Use Considerations

KS-475 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.

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: 02/21/2017

Technical Data Sheet

KS-495

Water Droplet Raised UV Coating



Product Description

KS-495 is formulated as a high viscosity UV coating for application over 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
- Excellent cure response
- Can be used to impart a raised, water droplet 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 1.14
- Viscosity 14 – 16 Poise (TA rheometer)

End Use Considerations

KS-495 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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DATE REVISED: 03/13/2017

Technical Data Sheet

KS-508

Raised Gloss UV Coating



Product Description

KS-508 is formulated as a high viscosity UV coating for application over 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-508 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: 03/13/2017

Technical Data Sheet

KS-520

Textured Matte UV Coating



Product Description

KS-520 is formulated as a high viscosity UV coating that exhibits a rough, texture-like feel with a matte finish. KS-520 is for application over UV sheetfed inks on paper or paperboard substrates. The effect may be improved with a higher volume anilox. KS-520 can also be applied through a silk screen. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Textured, Rough-Feel Coating
- Excellent Cure Response
- Not considered imprintable, foil-stampable, glueable, etc.

Physical Properties

- Solids > 99%
- Specific Gravity 1.14
- Viscosity 35 – 45 Poise (TA Rheometer)

End Use Considerations

KS-520 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: 03/13/2017

Technical Data Sheet

KS-551

BZP Free Rubber Feel UV Coating



Product Description

KS-551 is recommended as a high gloss UV coating specially formulated to provide a high slide angle and rubber feel. Typical applications are high volume anilox and screen for paper, paperboard and various non-porous substrates. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent gloss and clarity
- Benzophenone (BZP) free with excellent cure response
- High slide angle
- Considered imprintable, foil-stampable, glueable, etc. (recommend testing first)
- Recommend 60-90 screen mesh or greater than 35 BCM anilox

Physical Properties

- Viscosity 40 - 45 sec. #3 Zahn
- Specific Gravity 1.12
- Solids > 99%

End Use Considerations

KS-551 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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DATE REVISED: 03/17/2017

Technical Data Sheet

KS-605

Textured UV Gloss Coating



Product Description

KS-605 is formulated as a high viscosity UV coating that exhibits an unsmooth film for a texture-like feel. KS-605 is for application over UV sheet-fed inks on paper or paperboard substrates. The effect may be improved with a higher volume anilox. KS-605 can also be applied through a silk screen. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Textured Coating with Reticulation appearance
- Excellent Cure Response
- Not considered imprintable, foil-stampable, glueable, etc.

Physical Properties

- Solids > 99%
- Specific Gravity 1.13
- Viscosity 20 – 30 Poise (TA Rheometer)

End Use Considerations

KS-605 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: 05/22/2017

Technical Data Sheet

KS-804

BZP Free Flexible
Textured UV Gloss Coating



Product Description

KS-804 is formulated as a high viscosity UV coating that exhibits a rough, texture-like feel. KS-804 is for application over UV sheet-fed inks on paper or paperboard substrates. The effect may be improved with a higher volume anilox. KS-804 can also be applied through a silk screen. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Textured, rough-feel coating
- BZP (Benzophenone) free
- Excellent cure response
- Not considered imprintable, foil-stampable, glueable, etc.

Physical Properties

- Solids > 99%
- Specific Gravity 1.10
- Viscosity 15 - 20 Poise (TA Rheometer)

End Use Considerations

KS-804 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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DATE REVISED: 07/07/2017

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

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-21010

Screen Raised UV Coating



Product Description

KS-21010 is formulated as a high gloss UV coating for use in screen applications where a raised appearance is desired. Typical applications include paper, paperboard and select plastic stocks where very high gloss and superior leveling are desired. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent gloss and clarity
- Produces a glass-like finish when applied through a screen (recommend 380 - 420 mesh)
- Good cure response
- Not considered imprintable, foil-stampable, glueable, etc.

Physical Properties

- Viscosity 40 - 45 sec. #3 Zahn
- Specific Gravity 1.11
- Solids > 99%

End Use Considerations

KS-21010 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

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DATE REVISED: 09/08/2017