

FlintGroup Arrowstar® UV 7310 Series

- Description:** Arrowstar® UV 7310 High Adhesion utilize state-of-the-art resin and photoinitiator chemistries to provide the necessary adhesion properties required for printing non porous substrates on UV high-speed sheetfed presses.
- Process:** UV Offset
- Application:** Folding carton - Metalized papers and board, synthetic substrates, shrink and in-mold label. High quality commercial on non-porous substrates. Recommended for lamination applications.
- Substrate:** Suited to printing on a wide range of non porous substrates, such as: Foils, Foil stamped substrates, Synthetic substrates, Paper and paperboard.
*It is recommended that the substrate has a minimum surface energy of 38 dynes / cm²
- Key Features:**
- Excellent adhesion to wide range of substrates
 - Lamination receptive (recommended series)
 - Fast curing speed
 - Excellent press stability
 - Low dot gain
 - Suitable for direct finishing
 - Benzophenone, 4 Methyl Benzophenone and ITX free
 - Excellent ink/water emulsion properties
 - Suitable for use with fountain solutions with or without alcohol
- Limitations:**
- Requires the application of a UV or water coating, or lamination for protection
- Rollers/Blankets:** Arrowstar® UV 7310 inks are formulated to exclude materials known to cause swelling or degradation of EPDM and NBR type rollers. In general, UV curable inks and the special cleaning fluids can cause swelling or shrinking of rubbers. The Arrowstar® UV 7310 series minimizes this risk. EPDM, Butyl Nitrile or Vinyl Nitrile rubber types are recommended.
- Cleaning Recommendations:** Arrowstar® UV 7310 inks can be cleaned using commonly available UV cleaning solutions. Good industrial hygiene should be practiced with this type of product. Use appropriate protection as specified by the MSDS information. Soap and water should be used immediately if skin contact occurs.
- Storage & Handling:** These products contain photochemically active materials and will polymerize upon prolonged exposure to low level of energy sources such as heat and light:
- Products should be stored at room temperature (20°C)
 - Store away from direct sunlight
 - Use appropriate personal protection equipment as specified by MSDS
 - Best if used within 6 months of manufacture date

PRODUCT TECHNICAL DATA SHEET

All information is based on results from experience and tests and is believed to be accurate, but given without acceptance of liability for loss or damage, attributable to reliance thereon as conditions of use lie outside our control.

Colour Range & Fastness Properties:

Product Code	Colour	Lightfastness 100% Strength*	Lightfastness 10% Tint*	Alkali**	Alcohol**	Nitro (solvents)**
Process (Comply with ISO 2846-1)						
SF-KUV7310	PROCESS BLACK	8	7	2	2	2
SF-CUV7310	PROCESS CYAN	8	7-8	5	5	5
SF-MUV7310	PROCESS MAGENTA	5	4	2	3-4	5
SF-YUV7310	PROCESS YELLOW	5	4-5	5	3-4	5
SF-MUV7311	L/F MAGENTA	7-8	7	5	5	5
SF-YUV7313	L/F YELLOW	7-8	7-8	4-5	5	5
Low Tack Process (Comply with ISO 2846-1)						
SF-KUV7312	L/T PROCESS BLACK	8	7	2	2	2
SF-CUV7312	L/T PROCESS CYAN	8	7-8	5	5	5
SF-MUV7312	L/T PROC. MAGENTA	5	4	2	3-4	5
SF-YUV7312	L/T PROC. YELLOW	5	4-5	5	3-4	5
Blend Bases						
SB-73YUV01	YELLOW	5	4-5	5	3-4	5
SB-73YUV02	G/S YELLOW	7	6	5	5	4-5
SB-73YUV03	R/S YELLOW	6	5	5	3-4	5
SB-73YUV04	L/F R/S YELLOW	7-8	6-7	3-4	5	5
SB-73YUV08	L/F G/S YELLOW	7	6	3-4	5	5
SB-73JUV01	ORANGE	4-5	4	5	3-4	5
SB-73JUV02	PERM ORANGE	6-7	6	5	5	5
SB-73RUV01	SCARLET	4	4	5	2	4-5
SB-73RUV02	PERM WARM RED	7-8	7	5	3-4	5
SB-73RUV03	RUBINE	5	4	2	3-4	5
SB-73RUV04	MID RED	5	3	2	3-4	5
SB-73RUV06	PERM RHODAMINE	6-7	6	5	5	5
SB-73RUV09	PERM MAGENTA	7-8	7	5	5	5
SB-73RUV15	BRIGHT RED	4	3	3-4	3-4	4
SB-73BUV03	BLENDING CYAN	8	7-8	5	5	5
SB-73BUV05	EX STRG PERM REF	6-7	6-7	5	5	5
SB-73GUV01	GREEN	8	7	5	5	5
SB-73PUV03	PERM VIOLET	6-7	6-7	5	5	5
SB-73KUV01	UNTONED BLACK	8	7	5	5	5
SB-TUV7315	TRANS WHITE	N/A	N/A	N/A	N/A	N/A
SF-OUV7316	OPAQUE WHITE	8	7	5	5	5

(*Blue Wool scale, 1=minimum, 8=maximum)

(**Resistance properties in accordance with the Grey scale according to ISO 105-A03 or ISO 105-A02
1=poor, 5=very good)

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