

Description: Arrowstar® Low VOC HS 4041 is a high strength, duct fresh process series formulated from renewable vegetable oils resulting in very low VOC content. This series provides excellent print sharpness and good rub resistance. The Arrowstar® Low VOC HS 4041 is ideally suited for folding carton applications and optimally suitable for printing on perfecting presses, as well as straight-line printing. The high solids content provides high brilliance and gloss along with excellent through drying properties.

Process: Sheetfed Offset

Application: Process printing for folding carton and label applications, as well as general commercial printing, via sheetfed offset presses

Substrate: Gloss coated and uncoated paper and paperboard

- Key Features:**
- Less than 3% VOC per colour
 - High colour strength
 - Improved low misting properties
 - Minimal dot gain
 - Excellent through drying and rub resistance
 - Excellent press stability
 - Formulated with high levels of bio-renewable resources – NAPIM BRC = 70
 - High gloss
 - Suitable for off-line UV coating, lamination and foil stamp (testing recommended)

Limitations:

- Slightly slower setting speed than traditional vegetable based series

Colour Range:

SF-K4041	Arrowstar® Low VOC HS 4041 Black
SF-C4041	Arrowstar® Low VOC HS 4041 Cyan
SF-M4041	Arrowstar® Low VOC HS 4041 Magenta
SF-Y4041	Arrowstar® Low VOC HS 4041 Yellow

ISO Compliance: Complies with ISO 2846-1

Fastness Properties:

	Light	Alcohol	Solvent	Alkali	Hot Calendering
Black – blue toned	8	-	-	+	+
Cyan	8	+	+	+	+
Magenta	5	+	+	-	+
Yellow	5	+	+	+	+

Lightfastness properties according to ISO12040: from 1 (low) to 8 (high)
 Fastness properties according to ISO2836: + = resistance provided, - = resistance not provided

Printing Properties:

Dot Gain	7
Gloss	6
Setting	5
Oxidative Drying	5
Rub Resistance	6
Rapid Further Processing	5
Suitability for Glossy Coated Papers/Board	7
Suitability for Uncoated Papers/Board	5
Suitability for Matte Coated Papers/Board	5

Rating Scale - 1 (poor) to 7 (excellent)

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