

ALPHA foil 509 / 519

Highly light fast special process series
for polyolefins - mineral oil free

ALPHA foil 509 and 519 sheet fed series were designed specifically for printing displays and posters on polyolefin films with a focus on high light fastness.

Ink series	Special properties
ALPHA foil 509	For best compliance with the specifications of ISO 2846-1 and/or ISO 12647-2
ALPHA foil 519	For additional surface finishing with all fastnesses (regarding Magenta and Yellow). Due to the pigment choice the specifications of ISO 2846-1 are not fully met.

Range of application

Because of its mineral oil free formulation, the process series ALPHA foil 509 and 519 are particularly suited for printing on polyolefin films. They can be used with all common types of machines and various fount application systems.

In addition to this, very good results are also obtained on metalized and cast coated papers. Because of their quick oxidative drying, both process series can also be used when fast post-print processing is indicated.

Both printing ink series are formulated mineral oil free, but are not of the "low-migration" type. They are not recommended for the manufacture of food packaging.

Properties

ALPHA foil 509		Fastness properties per ISO 12040 / ISO 2836			
		Light WS	Alcohol	Solvent mixture	Alkali
Yellow	41 AP 509	6-7	+	-	+
Magenta	42 AP 509	7	+	+	-
Cyan	43 AP 509	8	+	+	+
Black	49 AP 509	8	+	+	+
ALPHA foil 519					
Yellow	41 AP 519	7	+	+	+
Magenta	42 AP 519	7	+	+	+
Cyan	43 AP 519	8	+	+	+
Black	49 AP 519	8	+	+	+

Legend: + = Yes - = No

Properties

- highly lightfast
- especially intense oxidative drying
- mineral oil free and with optimized anti-swelling property
- outstanding rub, fingernail- and scratch resistance
- good pile performance
- high fount solution tolerance
- quick formation of a stable ink/water balance
- high colour intensity, brilliance and gloss
- Great dot definition and high print contrast
- fast post print finishing

Annotation:

Printed films are frequently used outdoors and exposed to weathering. Despite the use of pigments with high light fastness according to ISO 12040, this may result in premature fading. Also possible chemical effects of film materials need to be considered. The resistance of a printed image can only reliably be assessed under practical conditions.

Printing auxiliaries

These process inks are supplied ready to use. Under exceptional circumstances it might become necessary to adapt the process inks to special printing conditions. In those cases, additives which are compatible with the vehicle system should be used. We recommend

- to reduce the tack and consistency **Linseed Oil/Printing Oil 10 T 1405** only
- to speed up the oxidative drying approx. 3 % **INK Active Drier 10 T 5002**
- as a fount concentrate **HYDROFIX-B 8013** under the according instructions for use

For coating purposes, specific water based coatings - also for use on films - are available.

Classification

According to the Ordinance on Hazardous Substances: none

According to the Regulation of Flammable Liquids: none

Material Safety Data Sheet available on request. Please refer to the contact of your local supplier.

How supplied

1-kg vacuum-sealed can

2.5-kg vacuum-sealed can