

folex®

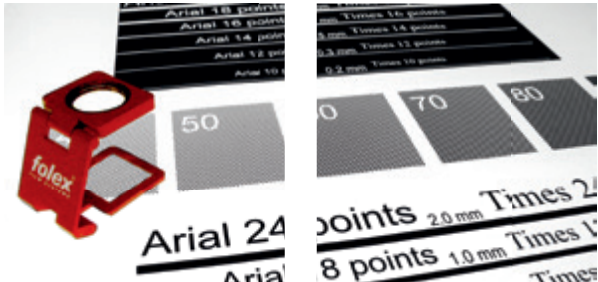
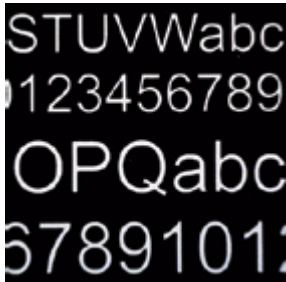
REPROJET

Production of reprographic master films












the fine art of coating

DIGITAL
PRINTING



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PICTOGRAM OVERVIEW

	Suitable for Piezo printers		Instant dry coating
	Suitable for Thermal printers		Fast dry coating
	Suitable for Dye ink		Removable stripe for printer sensor detection
	Suitable for Pigment ink		Offers improved water resistance when compatible with waterbased Pigment or Eco/Solvent ink
	Suitable for Eco/Solvent ink		

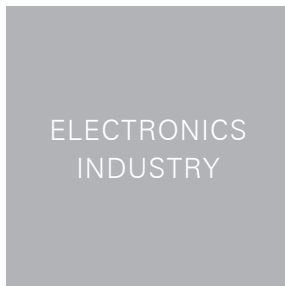
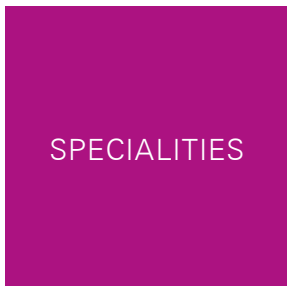
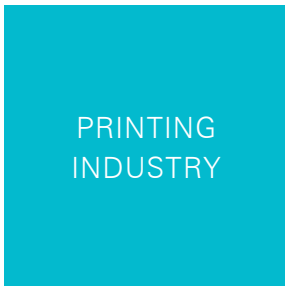
ABOUT FOLEX

HIGH EXPERTISE IN COATING

The Folex Group specialises in the finishing and coating of films and specialities and has production companies based in Switzerland and Germany that offer high-quality products and tailor made services for a wide variety of markets.

Folex dynamically adapts its portfolio to changing customer needs and technical developments. Based on its core competence, coating, Folex constantly works on optimising existing products to develop new potential applications for different technologies. Today Folex offers solutions for many sectors, from the printing industry or digital and large-format printing, the office and home sector, all the way to primary products for the electronics industry. In addition to which, Folex has also developed extensive skills in membrane separation technology.

As a family-owned company with a long-standing tradition, we feel committed to a clearly defined set of values based on integrity, dependability, quality, a love of innovation, and awareness of our responsibilities. As our customer, you can also benefit directly from this competence and our innovation. For instance, we can offer you consulting services during the development phase, or develop new solutions on your behalf.



APPLICATION

Positive and negative reprographic prepress film

Reprojet P HD has been specifically developed for High Dynamic, High Density and High Definition, supreme, printable performance. The film is used for the production of line, halftone and colour separations. It has been optimised to give excellent results with waterbased pigment and dye Ink Jet printers. The special enhanced nanoporous coating offers 25 % higher ink absorption and 30 % faster drying times when compared with market standard, available films. The UV density range can be increased by 25 % with the optimisation of print settings. Image line and dot sharpness is tightly controlled and guaranteed. Finally the film exhibits good mechanical handling resistance and its dimensional stability ensures perfect registration.

PERFORMANCE BENEFITS

- High ink absorption
- Ultra fast ink drying
- Faster print speeds
- High UV density Range
- Optimal Line and dot sharpness
- Wider choice of printer linearization options
- Enhanced mechanical handling properties
- Greater performance with a wider choice of screen emulsions
- Perfectly suited for the screen, pad and flexo process
- Low purchase and operating costs
- Fast in-house workflow solution
- Darkroom conditions not required
- No messy waste chemicals
- Available in rolls and sheets

SPECIFICATION

- Clear transparent polyester film
- Thickness: 0.125 mm (Polyester Substrate) 0.165 mm (Coated Film)
- Print side: Semi-matt coating
- Back side: Anti-static slip coating for good slip properties and fast vacuum in the exposure device
- Super Fast ink drying
- High UV-Density: $D_{maxUV} > 4$
(as a function of RIP settings, ink system as well as spectral sensitivity curves of the densitometers)
 D_{minUV} ca. 0.09 to 0.12 (depends on densitometer type)
- Dot Reproduction: up to ca. 48 L/cm (depends on RIP and printer)
- HP/RS: white plastic strips applied to the back side (removable after printing)
- Print mode recommended: high resolution setting



Good performance with a wide variety of printers that use water based pigment or dye ink such as Epson, Canon, HP, Roland etc. Not suitable with Oil, Solvent or UV Curing inks.

REPROJET P HD

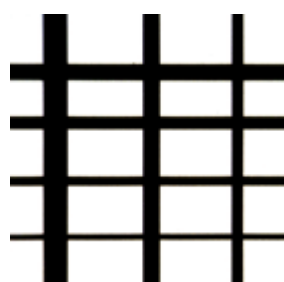
HANDLING

- Between 15 – 30°C and 40 – 60 % r.h.
- A preconditioning period of 24 hours within the printing environment is recommended.
- Avoid fingerprints on printing side.

SUPPLY FORMATS

Reprojet P HD									
Clear	0.165 mm	431 mm x 30 m		20490.165.34200					
	0.165 mm	610 mm x 30 m		20490.165.36100					
	0.165 mm	914 mm x 30 m		20490.165.39200					
	0.165 mm	1067 mm x 30 m		20490.165.30700					
	0.165 mm	1118 mm x 30 m		20490.165.31200					
	0.165 mm	1270 mm x 30 m		20490.165.32200					
	0.165 mm	1370 mm x 30 m		20490.165.33500					
	0.165 mm	1524 mm x 30 m		20490.165.35200					
	0.165 mm	50	A4	20490.165.44100					
	0.165 mm	50	A3	20490.165.43100					
0.165 mm	50	A3 +	20490.165.43800						
Reprojet P HD HP/RS									
Clear	0.165 mm	914 mm x 30 m		20495.165.39200					
	0.165 mm	1270 mm x 30 m		20495.165.32200					

Download from our website www.folex.com the „Reprojet P Handling Guide“



APPLICATION

Positive and negative reprographic prepress film

Reprojet ES CL is an easy way of creating screen film separations with Eco/Solvent Ink Jet Printers. The film is especially suitable for the production of full tone separations for line and sign applications. Depending on printer and software (RIP) it can also be used for the production of reprographic halftone film separations. The special enhanced, clear transparent coating offers high and fast ink absorption. The line ink coverage density can be increased with the optimisation of print settings. Finally the film exhibits good mechanical handling resistance and its dimensional stability ensures perfect registration.

PERFORMANCE BENEFITS

- High ink absorption
- Fast ink drying
- High UV density range
- Optimal line and dot sharpness
- Good visual appearance
- Perfectly suited for the screen process
- Great performance with a wider choice of screen emulsions
- Also suited for the pad and flexo process
- Low purchase and operating costs
- Quick In-house solution (Work Flow)
- Darkroom conditions not required
- No messy waste chemicals
- Variety of roll widths available

SPECIFICATION

- Clear transparent polyester film
- Thickness: 0.125 mm (polyester substrate), 0.155mm (coated film)
- Print side: light matt structured coating
- Coated for good slip properties and fast vacuum in the exposure device
- Fast ink drying
- High UV density: $D_{maxUV} > 4$
(as a function of RIP settings, ink system as well as spectral sensitivity curves of the densitometers)
- D_{minUV} ca. 0.05 (depends on densitometer)
- High line ink coverage, good line quality/sharpness
- Dot reproduction: depends on RIP and printer
- Print mode recommended: high resolution setting
- Monochrome printing only with black ink (K-ink mode)
- For simple application printing directly from graphical software is possible.
- When using print mode "double strike print" on Eco/Solvent printers ink density coverage is excellent.



Good performance with a wide variety of Ink Jet printers that use Eco/Solvent Inks such as Roland, Mimaki, Mutoh, Epson, etc. Not suitable with Solvent, water based Inks, Latex and UV curing Inks.

REPROJET ES CL

HANDLING

- Optimal between 15 – 30 °C and 40 – 60 % r.h.
- A preconditioning period of 24 hours within the printing environment is recommended.
- Avoid fingerprints on printing side.

SUPPLY FORMATS

▪ Reprojet ES CL				   
Clear	0.155 mm	500 mm x 30 m	20790.155.34501	
	0.155 mm	610 mm x 30 m	20790.155.36100	
	0.155 mm	914 mm x 30 m	20790.155.39200	
	0.155 mm	1067 mm x 30 m	20790.155.30700	
	0.155 mm	1270 mm x 30 m	20790.155.32200	
	0.155 mm	1370 mm x 30 m	20790.155.33500	
	0.155 mm	1524 mm x 30 m	20790.155.35200	



APPLICATION

Positive and negative reprographic prepress film

Nanoporous coated, clear transparent polyester film for the production of positive or negative film separations that can then be contact exposed to flexo, pad and thick film screen printing. The HDM version has a matt, special structured surface for optimal contact and fast vacuum properties. The coating offers high ink absorption and fast drying times and an even greater UV density range with the optimisation of print settings. Images dry super fast due to a highly porous coating ensuring print speeds are further optimised. The film meets the highest demands with regard to image registration accuracy, dimensional stability.

PERFORMANCE BENEFITS

- High ink absorption
- Ultra fast ink drying
- Faster print speeds
- High UV density Range
- Optimal line and dot sharpness
- Wider choice of printer linearization options
- Enhanced mechanical handling properties
- Greater performance with a wider choice of flexopolymer and screen emulsions
- Perfectly suited for the flexo, pad and thick film screen printing
- Low purchase and operating costs
- Fast in-house workflow solution
- Darkroom conditions not required
- No messy waste chemicals
- Available in rolls and sheets

SPECIFICATION

- Clear transparent polyester film
- Thickness: 0.125 mm (Polyester Substrate) 0.165 mm (Coated Film)
- Print side: Structured matt finish
- Back side: Anti-static slip coating for good slip properties and fast vacuum in the exposure device
- Super Fast ink drying
- High UV-Density: $D_{maxUV} > 4$
(as a function of RIP settings, ink system as well as spectral sensitivity curves of the densitometers)
 D_{minUV} ca. 0.09 to 0.12 (depends on densitometer type)
- Dot Reproduction: up to 72 L/cm (180 lpi) for flexo printing application (depending on the printer type)
- Print mode recommended: high resolution setting



Good performance with a wide variety of printers that use water based pigment or dye ink such as Epson, Canon, HP, Roland etc. Not suitable with Oil, Solvent or UV Curing inks.

REPROJET P HDM

HANDLING

- Between 15 – 30°C and 40 – 60 % r.h.
- A preconditioning period of 24 hours within the printing environment is recommended.
- Avoid fingerprints on printing side.

SUPPLY FORMATS

Reprojet P HDM					
Clear	0.165 mm	431 mm x 30 m	20450.165.34200		
	0.165 mm	610 mm x 30 m	20450.165.36100		
	0.165 mm	914 mm x 30 m	20450.165.39200		
	0.165 mm	1118 mm x 30 m	20450.165.31200		
	0.165 mm	1270 mm x 30 m	20450.165.32200		
	0.165 mm	1370 mm x 30 m	20450.165.33500		
	0.165 mm	1524 mm x 30 m	20450.165.35200		



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