

COMPANY PROFILE

SPT SALES +
MARKETING GMBH

FOTECO REMCO SAATI

Our message to you: *SPT Sales + Marketing GmbH is the distribution center for the brands SAATI, FOTECO and REMCO for Europe, Africa, Middle East and India. As part of SAATI S.p.A. group located in Italy we are your global, strong and technically competent partner within the screen printing market*

SPT – we live Screen Printing.

Headoffice: *for the distribution area EMEA.*

Kurpfalzring 100A
69123 Heidelberg

Our product range covers the entire pre-press and screen post-press process of screen printing: from mesh

Phone: *up to decoating – we assist you with your work-flow*

+49 (0) 62 21 | 77 876-27 *and work-processes.*

E-Mail:

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Internet:

www.spt-gmbh.com

SPT currently employs 20 people, having either a professional screen printing or chemical background in their professional vitae.

Besides of sales and distribution of the brands represented and the products sold in the scope of stencil materials, screen cleaners and screen chemicals, we focus on highly qualified technical consulting for our screen printing customers and our trade partners within our sales territory.

In our main location in Appiano Gentile, as well in the SPT premises in Heidelberg we operate a technical center, where we train our customers and distributors, thus sharing our experience and providing hands-on information.

All products are supplied from our central warehouse in Heidelberg to our global customers.

We are looking forward to the cooperation with you.

**ATTENTION NEW
TELEPHONE-NUMBER
+49 (0) 62 21 | 77 876-27**

After the process of screen preparation the next step is the selection of the appropriate stencil material. SPT offers with the FOTECO product range an extensive choice of such products. First we would like to

DIAZO SCREEN EMULSIONS

3.1

introduce you to our traditional screen emulsions, based on pure DIAZO technology. The DIAZO powder is used to sensitize the emulsions and triggers the light sensitivity of the emulsion. It reacts with the various types of PVA (Poly Vinyl Alcohol). The result is a resistant stencil surface, which can be easily reclaimed after use.

Product	Colour	Solids content after sens.	Suitability	Application	Resolution	Edge sharpness	Solvent resistance	Water resistance	Abrasion resistance	Post-exposure	Chemical hardening	Decoating
FOTECOAT 1569	purple	33%	solvent-based inks, UV, plastisol	graphics, electronics, industrial	8	8	10	1	7	no	no	10
FOTECOAT 1570	blue	33%	solvent-based inks, UV, plastisol	graphics, electronics, industrial	9	9	10	2	8	no	no	9
FOTECOAT 1636	purple	36%	plastisol, aqueous media	textile print	5	9	3	10	9	no	yes	4
FOTECOAT 1711	light purple	25%	solvent-based inks, UV, plastisol	graphics, electronics, industrial	9	10	9	3	8	no	no	9
FOTECOAT 1771	blue	25%	solvent-based inks, UV, plastisol	graphics, electronics, industrial	9	9	8	3	9	no	no	7

Pure DIAZO screen emulsions like our FOTECOAT 15xx, 16xx and 17xx series are still the backbone in many screen printing operations today, in spite of the progress in the stencil material technology. They provide an outstanding price/quality ratio, good resistances against the mentioned printing media and easy decoating. All those good arguments are the reasons for the on-going good sales performance of FOTECOAT DIAZO screen emulsions.

These products are the logical next step of pure DIAZO technology. However, research and development of UV raw materials resulted in special acrylate polymers, which could be combined with traditional DIAZO sensitizers. The result: products with best definition, fast exposure and high resistance. The DIAZO powder triggers light sensitivity and a chemical reaction with PVA and acrylate polymers, hence the generic product category of dual cure screen emulsions.

DUAL CURE SCREEN EMULSIONS 3.2

Product	Colour	Solids content after sens.	Suitability	Application	Resolution	Edge sharpness	Solvent resistance	Water resistance	Abrasion resistance	Post-exposure	Chemical hardening	Decoating
FOTECOAT 1016	red	34%	UV-inks, solvent inks, conductive inks	Industrial and graphic screen printing, touch panel	10	10	10	7	10	no	no	9
FOTECOAT 1019 1019 BL	purple and blue	36%	UV-inks, solvent inks	Industrial and graphic screen printing	9	10	9	8	8	yes	no	8
FOTECOAT 1020	light purple	27%	UV-inks, aqueous UV-inks, solvent inks	Graphic screen printing	10	10	9	8	8	yes	no	8
FOTECOAT 1025 Triple Cure	blue	41%	plastisol, aqueous media, discharge inks	textile	8	7	4	9	10	yes	yes	7
FOTECOAT 1030	blue and purple	36%	UV-inks, aqueous UV-inks, solvent inks	Industrial and graphic screen printing	10	10	9	8	8	yes	no	9
FOTECOAT 1060	blue	41%	UV-inks, aqueous UV-inks, solvent inks	glass	9	9	8	10	10	yes	yes	6
FOTECOAT 1065	light blue	44%	plastisol, aqueous media	textile	8	8	5	10	10	yes	yes	4
FOTECOAT 1068 1068 BL	blue and purple	41%	plastisol, aqueous media, inks with water-/ solvent-mixture	textile, glass, ceramic	8	8	8	10	10	yes	yes	4
FOTECOAT 1070 MATT (perfect for CtF application)	purple	38%	UV-inks, aqueous UV-inks, solvent inks	object printing, glass printing, electronic-, industrial- and graphic screen print	9	10	9	8	8	yes	no	8

PLEASE NOTE REVERSE SIDE ->

3.2 DUAL CURE SCREEN EMULSIONS

Product	Colour	Solids content after sens.	Suitability	Application	Resolution	Edge sharpness	Solvent resistance	Water resistance	Abrasion resistance	Post-exposure	Chemical hardening	Decoating
FOTECOAT 1072	purple	34%	UV-inks, aqueous UV-inks, solvent inks	object printing, glass printing, electronic- industrial- and graphic screen print	8	10	9	6	9	yes	yes	9
FOTECOAT 1077	blue	38%	inks with very agressive solvents	Electronic- and industrial screen print. Solar panels	9	9	10+	6	10	yes	no	6
FOTECOAT 1090	red	45%	plastisol, aqueous media, discharge inks	Rotary textile printing	8	7	3	10	10	no	no	0

The versatility of screen printing is clearly visible when looking at our above FOTECO selection of dual cure screen emulsions. But: the above products are only some of our complete dual cure range. Our experienced screen printing technicians will recommend the best suitable emulsion for your use individually according to your requirements.

Besides the usual method of mixing the DIAZO sensitizer powder with water and then adding it to the screen emulsion, the FOTECOAT DIR-AD assortment offers a distinctive feature: just add the DIAZO sensitizer powder directly into the product, stir well and use it. Sensitizing an emulsion can't be much easier.

**DUAL CURE
SCREEN EMULSIONS
WITH DIRECT ADDITION
OF DIAZO SENSITIZER**

3.3

Product	Colour	Solids content after sens.	Suitability	Application	Resolution	Edge sharpness	Solvent resistance	Water resistance	Abrasion resistance	Post-exposure	Chemical hardening	Decoating
FOTECOAT 1915 WR DIR-AD	light purple	41%	plastisol, aqueous media, inks with water-/ solvent-mixture	textile	9	9	5	9	9	yes	yes	4
FOTECOAT 1920 DIR-AD	light blue	42%	aqueous media, inks with water-/ solvent-mixture	textile and ceramic	8	8	4	10	9	yes	yes	4
FOTECOAT 1930 M	blue	46%	aqueous media, inks with water-/ solvent-mixture	ceramic	9	8	7	10	10	yes	yes	3
FOTECOAT 1970 DIR-AD	blue	33%	UV-inks, aqueous UV-inks, solvent inks	object printing, glass printing, electronic-, industrial- and graphic screen print	9	10	9	8	8	yes	no	9

The above range of DIR-AD products is only a selection, representing our best-sellers. Our experienced screen printing technicians might recommend further products individually, according to your individual requirements.

Please consult our technicians whenever you need help. To find out how to add the DIAZO directly in the DIR-AD method, please watch our video sequence on YouTube®: <http://www.youtube.com/watch?v=VVmITHbDDD>

PHOTOPOLYMER SCREEN EMULSIONS

3.4

This DIAZO-free alternative represents the latest actual research and development results of a screen emulsions. Its formula is based on a light-sensitive substance, combined with photoinitiators and acrylate polymers as well as new PVA-combinations. The result: ready-to-use single component emulsions with high-speed exposure times. They provide quickest workflows. It is generally recommended to work under yellow light conditions, due to the high reactivity of pure photopolymer emulsions.

Product	Colour	Solids content after sens.	Suitability	Application	Resolution	Edge sharpness	Solvent resistance	Water resistance	Abrasion resistance	Post-exposure	Chemical hardening	Decoating
FOTECOAT 1830 SOLO	red	47%	aqueous media, plastisol-, discharge-, abrasive and solvent based inks	Industrial, glass and textile print	9	9	9	10	9	yes	yes	8
FOTECOAT 1831 SOLO	red	42%	aqueous media, plastisol- and discharge inks	textile	10	10	6	10	8	yes	yes	9
FOTECOAT 1832 RED / ND	red or clear	42%	solvent based- and plastisol inks	textile	7	9	9	5	9	yes	no	7
FOTECOAT 1833 SOLO	blue	45%	aqueous media, plastisol- and discharge inks	textile	9	9	9	10	8	yes	yes	8
FOTECOAT 1835-N SOLO	green	51%	aqueous media, plastisol inks, glitter media, 3D	textile	7	9	3	9	6	no	yes	6
FOTECOAT 1847 N	blue	45%	Plastisol- and solvent based inks, 3D printing	Industrial-, graphic and glass print	-	9	9	5	-	yes	no	5
FOTECOAT 1850 SOLO	blue-purple	36%	UV-inks, aqueous UV-inks, solvent based inks, plastisol	Industrial, graphic and textile print	8	8	10	1	7	yes	no	10
FOTECOAT 1852	blue	40%	UV textil plastisol, water based	Industrial and grafic screen printing	8	8	7	8	8	yes	no	7
FOTECOAT 1860 SOLO	green and purple	35%	aqueous media, plastisol inks	textile	8	8	10	4	6	no	no	10

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3.4 PHOTOPOLYMER SCREEN EMULSIONS

Product	Colour	Solids content after sens.	Suitability	Application	Resolution	Edge sharpness	Solvent resistance	Water resistance	Abrasion resistance	Post-exposure	Chemical hardening	Decoating
FOTECOAT 1455 CTS	red	39%	UV-inks, solvent-based inks	Grafic, glass and industrial screen print	9	8	9	3	7	yes	no	7
FOTECOAT 1456 CTS	purple	33%	UV-inks, aqueous UV-inks, solvent inks	object printing, glass-, electronic-, industrial- and graphic screen printing	10	10	10	1	8	yes	no	5
FOTECOAT 1457 CTS	red	27%	UV-inks, aqueous UV-inks, solvent inks	graphic screen print	10	10	10	1	6	yes	no	10
FOTECOAT 1468 CTS	blue	35%	UV-inks, aqueous UV-inks, solvent inks	glass	9	9	8	6	9	yes	yes	7

Further single component photopolymer products are available. We would recommend these individually. Please contact our application technicians to find an individual solution for your printroom.

CAPILLARY FILMS AND THICK FILMS

3.5

Capillary films are literally screen emulsions on a polyester carrier. They are transferred onto the screen to produce a stencil surface by using the physical phenomenon of water capillaries. The advantages are obvious: a very smooth surface and uniform stencil thickness and high speed in the workflow of the printing operation. Continuously equal stencils provide standardised printing processes.

FOTECAP RUBY Capillary film on dual-cure coating technology. The film has excellent solvent resistance combined with high surface flexibility. The application range covers the whole graphic and industrial screen-printing field. High edge definition, very high resolution and wide exposure range are the leading features of this capillary film. With postexposure the capillary film is water resistant. FOTECAP RUBY is available in different dry film thicknesses, as well as in rolls and in customs-cut sheet material. The colour of FOTECAP RUBY is red.

4515
4520
4525
4540

FOTECAP ZIRCON N Pre-sensitiated capillary film with excellent flexibility and high abrasion resistance. The fact that the film is suitable for water-soluble and solventbased printing media is one of the unique features of this photopolymer capillary film. Different thickness for dry film are available, as well as roll- and sheets articles. Unbeatable edge definition, very high resolution and wide exposure range for all coloured synthetic screen fabrics or steel-mesh are characteristic for the FOTECAP ZIRCON N. Due to its coating with a pure photopolymer emulsion the material can be stored for quite a long time, even under difficult climate conditions. FOTECAP ZIRCON N is highly suitable for finest 4-colour process jobs as well as fine-line printing works with solvent-based- or UV-inks. Ink deposit depends on dry film thickness of the capillary film. Detailed information is available from our technical data sheet.

4615 N
4620 N
4625 N
4630 N
4640 N
4650 N

FOTECAP TECNO Special thick films are nowadays a standard in the screen printing industry. Using our capillary thick films FOTECAP TECNO increases the options for screen printers in their applications. TECNO is a solvent- and water-resistant film. The film has to be transferred following the Indirect/Direct method with our FOTECOAT screen emulsions 1833 SOLO (water-resistant) or 1850 SOLO (solvent resistant). The product is available in thicknesses from 100 to 700 microns. Fields of application: peelable solder masks, SMD / SMT, printing of gaskets, anti-slip apparel, Braille letters, application of ceramic powder on tiles, 3D-printing on textiles, glass and ceramics.

100
150
200
250
300
400
700

FOTECOAT 1833 SOLO Both photopolymer emulsions can be used for to create 3-D (thick-film) stencils by cast application or as transfer emulsions for FOTECAP TECNO films. FOTECOAT 1833 SOLO is water-resistant, FOTECOAT 1850 SOLO is solvent resistant. We recommend using colored mesh.

FOTECOAT 1850 SOLO

With this special range of products SPT offers you a truly unique selection of supplies for screen printers.

MASKING FILMS
INDIRECT FILMS
COMPUTER-TO-FILM
POLYESTER FOILS

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The main features and fields of application of the individual product groups are explained in the following tables.

Detailed information for each product is available on request, including how-to-use video sequences on YOUTUBE®.

FOTECMASK FOTECMASK is a red masking film, available either in cut sheets or rolls:
7381 C
7581 C

Item	Carrier	Description	Colour
7381 C	80 micron	super-cut quality, good adhesion, excellent sticking-back properties, thin carrier	red
7581 C	125 micron	super-cut quality, good adhesion, excellent sticking-back properties, thicker carrier	red

FOTECFILM Still unique in performance and stencil quality precision – hence still a state of the art product in stencil making: our FOTECFILM assortment of Indirect Gelatine – based photo stencil films.
5020 RUBIN

Table of the product:

Item	Colour	Exposure 3,5 Kw/100cm	Exposure Latitude	Development by using
5020	medium red	in seconds 10/20/30/40/50	15-40 sec.	FOTOCHEM 2200 or H ² O ² 1,5%

FOTECHEM 2200 A+B Powder developer for Indirect Gelatine – based photo stencil films. A+B powder mixed together provide 4 litres of developing solution. Please consult our technical data sheet for further details on use of the product.

FOTECFOIL 7135
FOTECFOIL 7165
FOTECFOIL 7800 A unique range of products for Computer-to-Film application: using an ink-jet printer with FOTECFOIL materials for the production of film positives and negatives provide perfect film imaging. Main feature of all FOTECFOIL products is their dimensional stability.

All products are humidity resistant, perfectly compatible with our special CtF screen emulsions, show excellent ink absorption as well as high resolution and colour density. UV and halftone density depend on settings, the ink-jet inks used and the measuring standard of the Densitometer.

Item	Carrier	Density of coating	Reverse side
7135	clear Polyester foil 0,138 mm carrier thickness	0,029 mm	antistatic gliding surface
7165	clear Polyester foil 0,168 mm carrier thickness	0,029 mm	antistatic gliding surface
7800	clear Polyester foil 0,100 mm carrier thickness	0,026 mm	

All values have a production tolerance of ± 5 % .