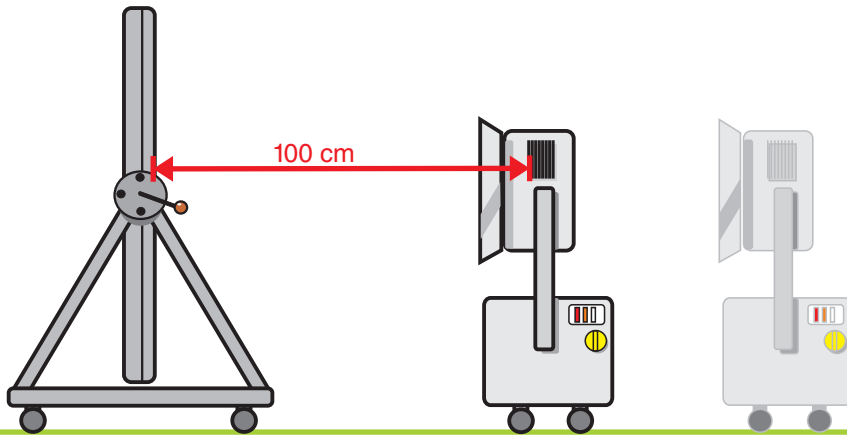


# FOTECAP EXPOSURE TIMES



## Basic pre-conditions:

### Distance 100 cm

Bulb to vacuum frame

### 5 KW metal halide lamp

with iron-gallium bulb (photopolymer)  
at approx. 100 operating hours  
(corresp. to Akticop S 3500 MH lamp)

## TECNO THICK Film

per 100 micr. FILM thickness **1 minute**

TECNO Film transferred with  
FOTECOAT 1834 (WR) SOLO or  
FOTECOAT 1840 (SR) SOLO

## TOPAZ / SAPHIR / ZIRCON

All FOTECAP capillary films need sufficient exposure time to optimize the results. Best definition and resolution are achieved on yellow mesh. The exposure times below are valid for:

**Polyester fabrics, 120-34 yellow**

The SAPHIR film only can be post-exposed to achieve best curing. This post-exposure of the finished stencil does not influence the resolution but increases drastically the mechanical resistance and the ink suitability; the water resistance is improved and the decoating is easier.

FOTECAP	TOPAZ						S	ZIRCON			ZIRCON		
Distance 100 cm	4118	4122	4125	4128	4135	4150	4512 CD/JV	4615	4620	4625	4815 IP	4825 IP	4800 SUPER
Metal Halide Lamp	sec.	sec.	sec.	sec.	sec.	sec.	sec.	sec.	sec.	sec.	sec.	sec.	sec.
2000 Watt	140	180	200	250	340	500	75	50	70	90	50	90	220
3000 Watt	95	120	135	170	225	335	50	33	45	60	33	60	135
4000 Watt	70	90	100	125	170	250	37	25	34	45	25	45	100
5000 Watt	55	70	80	100	135	200	30	20	27	35	20	35	80
7000 Watt	40	50	60	70	95	145	21	14	20	25	14	25	60
3500 Watt Akticop S	55	70	80	100	135	200	30	20	27	35	20	35	80
Mercury Vapor Lamp	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.
after 4 min. warm-up time													
125 W HPR 60 cm	10	12	14	18	25	36	8	4	5	7	4	7	12
400 W HPR 60 cm	5	6	7	9	12	18	4	2	3	4	2	4	8

**S = SAPHIR**

## Correction factors:

compared to yellow fabric	for reinforcement with FOTECOAT	*other distances
white mesh - 25%	reinforcement or mesh filling + 50%	for other distances than 100 cm multiply the times on the above table by the following factors:
steel mesh + 30%	from squeegee side	60 cm = 0.36 120 cm = 1.44 170 cm = 2.89
metallized mesh + 30%	FOTECOAT 1010 / 1711 / 1840	70 cm = 0.49 130 cm = 1.69 180 cm = 3.24
coarser than 90 threads/cm + 10%	transfer with emulsion + 50%	80 cm = 0.64 140 cm = 1.96 190 cm = 3.61
coarser than 55 threads/cm + 30%	FOTECOAT 1010 / 1711 / 1840	90 cm = 0.81 150 cm = 2.25 200 cm = 4.00
	additional coating with emulsion + 5%	110 cm = 1.21 160 cm = 2.56 220 cm = 4.84
	FOTECOAT 1010 / 1711 / 1840	

6



FOTEC AG, P.O.Box 1123, CH-8700 Küssnacht, Switzerland  
TEL. +41 (0)44 913 30 00 FAX +41 (0)44 910 45 25

[www.fotec.ch](http://www.fotec.ch)  
[info@fotec.ch](mailto:info@fotec.ch)