PINH5AD 4X5 Pinhole Camera Exposure Durations

METER ALL FILMS AT ASA 100

PINH5AD 4X5 – 120 film pinhole 90mm focal length f-Stop: 225

http://www.thingiverse.com/thing:143882

Recommended to use a meter for exposure calculations – all exposure times assume metering at ASA 100 for purposes of ease and laziness

4X5 frame, 0.40mm pinhole, 90mm focal length	ASA 100 Metered at f/22	ASA 100 Adjusted for f/225	Fuji Neopan Acros 100	Ilford FP4 & Delta 100**	Kodak Ektar 100	Fuji Velvia 100 & Provia 100	Fuji Velvia 50 see note	Kodak 400TX see note	
			With Reciprocity Failure					(ISO 400)	
Exposure Value	**Time for f/22**	**f/225**	**RF**	**RF**	**RF**	**RF**	**RF**	**RF**	**RF**
At ASA 100	1/1000	1/8	1/8	1/8					
	1/500	1/4	1/4	1/4	← not recommended		(too fast)		
	1/250	1/2	1/2	1/2					
	1/125	1 s	1 s	1 s					
15	1/60	2 s	2 s	4 s	1 s	2 s	7 s	1/3 s	
14	1/30	3 s	3 s	8 s	5 s	3 s	13 s	2/3 s	
13	1/15	7 s	7 s	19 s	11 s	7 s	38 s	1.5 s	
12	1/8	13 s	13 s	44 s	22 s	13 s	1 m 33 s	8 s	
11	1/4	26 s	26 s	2 m	50 s	37 s	3 m 53 s	25 s	
10	1/2	52 s	52 s	7 m	1 m 50 s	1 m 14 s	8 m	55 s	
9	1 s	2 m	2 m	23 m	4 m 8 s	3 m 30 s	19 m 43 s	2 m 10 s	
8	2 s	3.5 m	3 m 10 s	1 h	9 m 40 s	7 m	31 m	4 m 19 s	
7	4 s	7 m	7.5 m	5 h	22 m	15 m	I h 15 m	8 m 38 s	
6	8 s	14 m	15 m 45 s	21 h	54 m	38 m	2 h 30 m	17 m 17s	
5	15 s	26 m	31 m	72 h	1 h 57 m	1 h 29	4 h 40 m	34 m 34 s	
4	30 s	52 m	1 h 4 m	287 h	4 h 36 m	3 h	9 h 19 m	1 h 9 m	
3	1 m	104 m	2.5 h	1145 h	11 h	6 h	19 h	2 h 18 m	
2	2 m	208 m	5 h 15 m	4574 h	27 h 35 m	12 h	42 h	4 h 366 m	

**Reciprocity failure for these and other films available with
Pinhole Designer application: http://www.pinhole.cz/en/pinholedesigner/

NOTES: FP4, Velvia 50 and Kodak 400TX exposure time metered at ASA 100
- Use same EV / f/22 values
Consider very long exposures (Hours-long) hypothetical