

# ADOX CHS 100 II B/W Film

ADOX CHS 100 II is an orthopanchromatically sensitized B/W film with classical grain and a sensitization optimized for greyscale separation. The film is made from two separate emulsions in a single layer coating and yields a very large exposure latitude. CHS 100 II shows a distinct shoulder in the highlights preventing the highlights from „blowing out“. Due to its classic sensitization it features a very harmonic tonal separation. Compared to modern films it differentiates better between lips/face, clouds/sky, water/land. The film is coated onto clear archival PET.

ADOX CHS 100 II and can be reversal processed (including the sheetfilms). Due to the backside Layer the sheetfilms are retouchable with photo dyes.

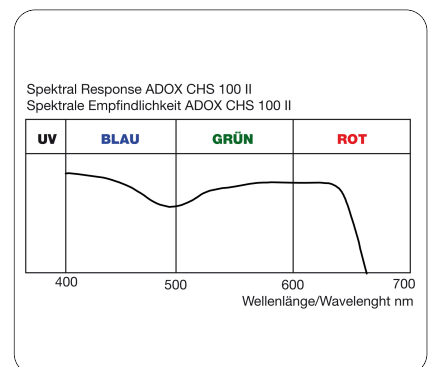
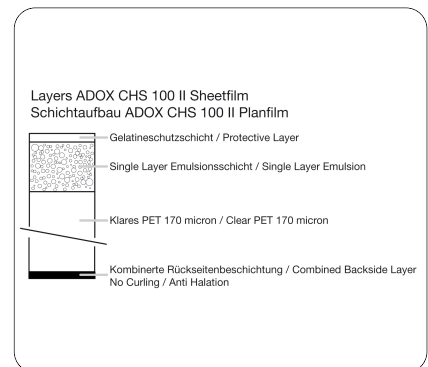
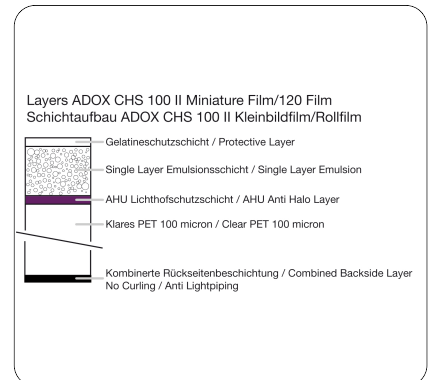
In the 35mm and 120 format ADOX CHS100 II has two anti halation layers.

- Between the emulsion and the base (AHU)
- On the backside layer (anti halation, anti lightpiping and non curling)

The backside layer is tinted in order to protect the film against the lightpiping effect which is immanent to films on a polyester base. The effect was reduced to a large extent but cannot be fully prevented. Thus CHS 100 II, like any other film on PET base, has to be protected from bright light whilst the film-tongue is sticking out of the cartridge. Else light will penetrate through the base into the cartridge and fog the beginning of the film. Films with an AHU undercoat are not recommended to develop in tanning developers such as Finol, Tanol or PMK containing either Brenzkatechin or Pyrogallol because they may cause small holes in the film (emulsion lift off).

## ADOX CHS 100 II Available Formats:

- Super8 Cassette
- Miniature Film 135/36
- Rollfilm 120 (in preparation)
- Sheetfilm in all formats up to 20x24“



<b>Speed:</b>	21°/100 ASA
<b>Base Miniature Film:</b>	Polyester (PET) 100 micron
<b>Base 120 Film:</b>	Polyester (PET) 100 micron
<b>Base Sheetfilm:</b>	Polyester (PET) 175 micron
<b>Anti Halation:</b>	AHU plusb backside AH/NC layer
<b>Anti Halation Sheetfilm:</b>	Backside AH/NC layer
<b>Curling:</b>	Combined NC/AH layer on the backside
<b>Reciprocity failure:</b>	up to 1 sec. no correction necessary
<b>2 sec:</b>	1,5x (3 sec)
<b>4 sec:</b>	2x ( 8 sec)
<b>8 sec:</b>	2,5x (20 sec)
<b>15 sec:</b>	3x (45 sec)
<b>30 sec:</b>	4x (120 sec)
<b>60 sec:</b>	6,5x (6 minutes 30 sec)

## DEVELOPING TIMES ADOX CHS 100 II

Developing timetable vor ADOX CHS 100 II film

Agitation: Agfa Agitation (the first minute continuously then every half minute 1 tilt)

Due to the extra AHU layer in the miniature and 120 format there are slight differences in the developing times between those films and the ADOX CHS 100 II sheetfilm.

In order to achieve a medium contrast of 0,65 reduce the sheetfilm developing times by about 10%.

	TEMP	DIL.	TIME	BETA	ISO	HINWEISE/REMARKS
ADOX ADONAL 1+25	20 °C	1+25	5:30 - 6 :00	0,65	100/21°	
ADOX ADONAL 1+50	20 °C	1+50	12:30 - 13:30	0,65	100/21°	
ADOX ADX I+II	20 °C	1+24	7:00	0,65	125/22°	
ADOX ATOMAL	20 °C	Stock	6:30	0,65	100/21°	
ADOX ATOMAL 1+1	20 °C	1+1	10:00	0,65	100/21°	
ADOX FX-39 1+19	20 °C	1+19	13:00	0,65	100/21°	Kipp: 30s kont.; dann 10s pro Minute
ADOX FX-39 1+9	20 °C	1+9	7:30	0,65	100/21°	Kipp: 30s kont.; dann 10s pro Minute
ADOX SILVERMAX Entwickler	20 °C	1+19	8:30	0,65	100/21°	
ADOX SILVERMAX Entwickler	20 °C	1+19	10:00	0,70	125/22°	
Ilford ID-11	20 °C	1+1	7:30	0,65	100/21°	
Kodak D-76	20 °C	Stock	6:30	0,65	100/21°	
Kodak D-76 1+1	20 °C	1+1	9:00	0,65	100/21°	
Kodak HC-110 B	20 °C	1+31	5:30	0,65	100/21°	Kodak-Kipp (alle 30s für 5 Sek)
Kodak HC-110 D	20 °C	1+39	7:00	0,65	100/21°	Kodak-Kipp (alle 30s für 5 Sek)
Kodak HC-110 E	20 °C	1+47	9:00	0,65	100/21°	Kodak-Kipp (alle 30s für 5 Sek)
Kodak XTOL	20 °C	1+1	8:00	0,65	100/21°	
Moersch Finol			---			Nicht empfohlen / Not recommended
Moersch Tanol			---			Nicht empfohlen / Not recommended
PMK			---			Nicht empfohlen / Not recommended