

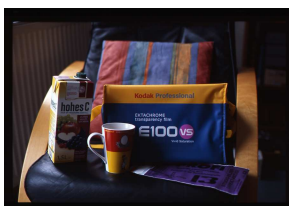


© Gert Koshofer, Digibase CN 200 135, colour negative process C 41

Digibase[®] CN 200

un-mask colour negative film

Comparisons:



Kodak Ektar 100
 nominal sensitivity,
 standard development



Digibase CN 200
 exposed 100/21°
 Push 1



Digibase CN 200
 exposed 200/24°
 Push 1

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The DIGIBASE CN 200 is an un-mask colour negative film, with a nominal sensitivity of ISO 200/24°. His unique qualities and many-sided application possibilities revolutionise the offer of monochrome colour films. He can be used universally for nearly all professional tasks. Thanks to his fineness of grain and the latitude of sensitivity of practically one f/stop underexposure, originate succinct admissions an unusual sharpness and tonal value reproduction.

Capacity and applications:

- Unmask color negative film;
- Very good resolution, very fine grain, and very high sharpness, as basis for negatives with an excellent quality.
- Due to the transparent film medium, especially capable for the digital scanning, works not as stiff as color slide films.
- Large exposure margin of +/- 1 aperture, with a high exposure reserve, for use in all light- and weather conditions;
- Special coating to improve the film transportation capacity in the cameras;
- Usable both in daylight and in artificial lights unrestricted possible;
- Polyester film base, with a high breaking strength and tear proof; archive proof LE 500;
- The great contrast area ensures the capacity of the different tonality levels;
- Extremely antistatic, before and after the development, the adhesion of dust particles is reduced, and thus, improve the prints for constant clean, and sharp prints;
- Has a special coating to reduce Newton rings;
- Extra hard protective layers on both sides of the film, to avoid scratches;
- No curling layer for a excellent flatness of the film;the avoidance of scratches;

Emulsion film baser:

Precise, tear proof polyester, 100 micron, crystal-clear for all versions, film, roll film and sheet film.

Film layer structure:

Emulsion side: Protective layer + color emulsion + P.E.T. film base 100 micron
 Back side: NC protective coating

Total film thickness:	137 micron	Film sensitivity:	ISO 200/24°
Grain:	RMS (x 1000): 7.0	Resolution:	Contrast: 1000:1 L/mm: 130

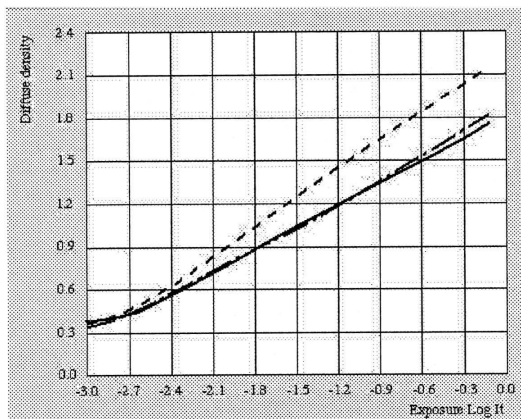
Black shield effects: Exposure measurements in Sec.: 1/1000 - 1
 Exposure correction in steps: N/A

Storage:

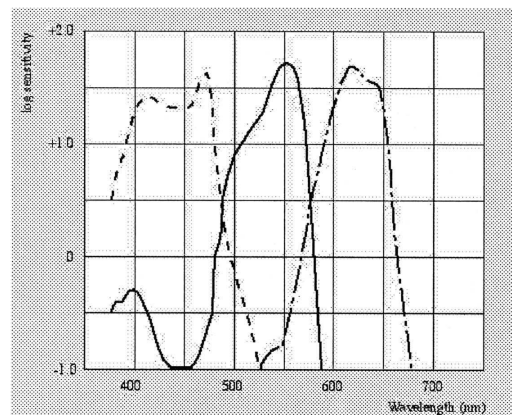
It is recommended, not to put out the film to direct sunlight, strong heat or high air humidity. With films which were stored cooled it should be waited before the use, until the film has warmed up itself to the surrounding temperature.

- un-exposed film: up to 24 months, a cooling temperature with 8°C is recommended.
- Exposed film: after the exposure keep in cool condition and process as soon as possible.

Characteristic curves:



Spectral sensitivity



Density curve:

Daylight 1/1000 s
 Development C 41

Processing: The Digibase CN 200 PRO is to be processed in the colour negative process C 41, or with these compatible processes in the large pro-labs or mini labs. NEW: color reversal development in the E6 process.

PROCESSING IN CLASSIC B&W CHEMISTRY IS NOT POSSIBLE!

Packaging:	35mm cartridge 136-36	Article No.	RDB2011
	Rollfilm 120	Article No.	RDB2001
	Bulk film 135-30.5m	Article No.	RDB2030

DIGIBASE CN200, developed in E6 process:

A) Because of the clear film base and the lack of an orange mask the DB CN 200 is suitable for color reversal development in the E6 process.

B) The colors are more subdued compared to normal E6 slide films.

B1) There is the assumption, that therefore this film could be capable for using as a copyfilm. So far (August 2010) no tests have been done to prove this.

C) At the original subject very strong, shrill and intensive colors appear a bit more natural with the DB CN 200 film.

D) The more soft contrast of color negative film is preserved when this film is developed in E6 reversal processing.

E) The DB CN 200 slides have a more soft contrast compared to original E6 slide films.

F) If needed contrast can be enhanced by a Push 1 development. In this case an exposure of ISO 160/23° or ISO 200/24° is recommended.

G) The DB CN 200, developed in E6 process, offers a higher dynamic range than most original E6 slide films. The general higher dynamic range of color negative film is preserved to a large extent when this film is developed in E6. Therefore higher contrasts can be managed, and good shadow- and highlight detail can be achieved.

H) The DB CN 200 has a wide exposure latitude, when developed in E6. Good results can be achieved from ISO 80/20° to ISO 250/25°. For best results an exposure in the range of ISO 100/21° to ISO 160/23° is recommended.

I) Those photographers, who consider the extremely fine grained Fuji and Kodak E6 films as too fine grained, will have an alternative in the DB CN 200 film. This film features a more classical film-look with accentuated grain and good sharpness.

J) Because of its special sensitization the DB CN 200 offers the possibility to get traditional B&W wet darkroom prints with accurate tonality (when the film is developed in C-41 chemistry). Compared to B&W prints from other color negative films this film features a better tonal separation and better rendition of red tones.

Developed in C-41 and printed onto B&W paper the results look very similar to classical B&W films: Fine grained, but with a visible, not too fine grain. Therefore photographers have the alternative to combine easy, standardized C-41 film developing and traditional B&W printing to get pictures with a classic B&W film look.

And the additional possibility to get color prints on RA-4 paper from the negatives as well.

Digibase: comparison of C-41 and E-6

The following pictures are not digital manipulated!

Clearly color shift:



C-41



C-41 + 1 f-stop



C-41 + 2 f-stops



E-6



E-6 + 1 f-stop



E-6 + 2 f-stops

Clearly color shift as well, subtle contrast increase.

F-stop series E-41:



F-stop series E-6:



F-stop series E-6 + contrast increase:



In this picture, the effect is less developed:

F-stop series E-41:



F-stop series E-6:



E-6 + contrast increase:



Further comparisons:

C-41:



E-6:



C-41:



E-6:



E-6 + contrast increase:



C-41:



E-6:



C-41:



E-6:



C-41:



E-6:



C-41:



E-6:



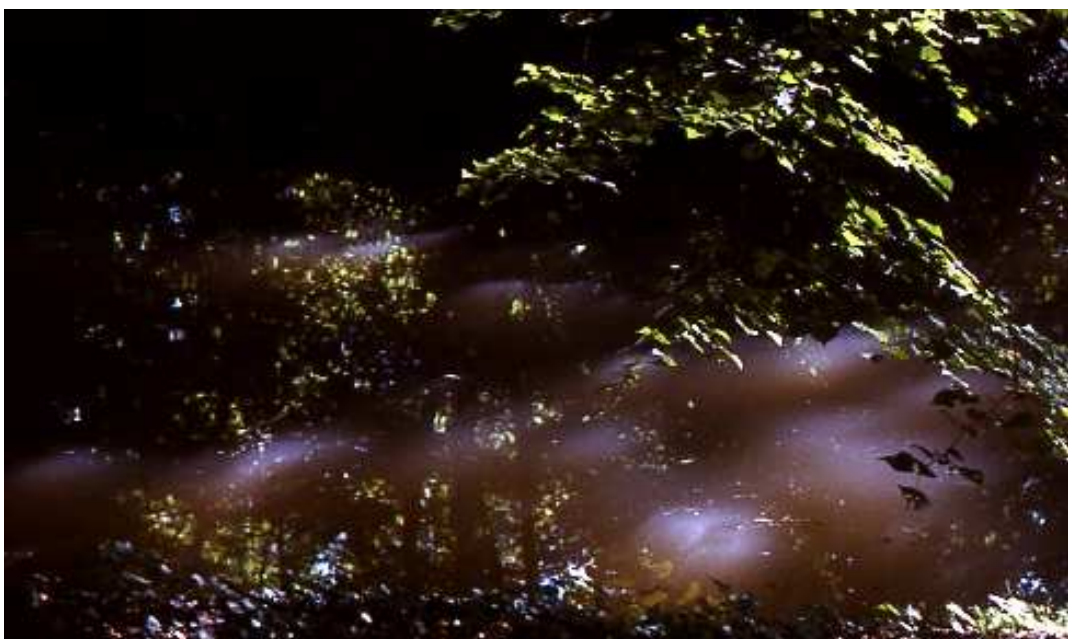
C-41:

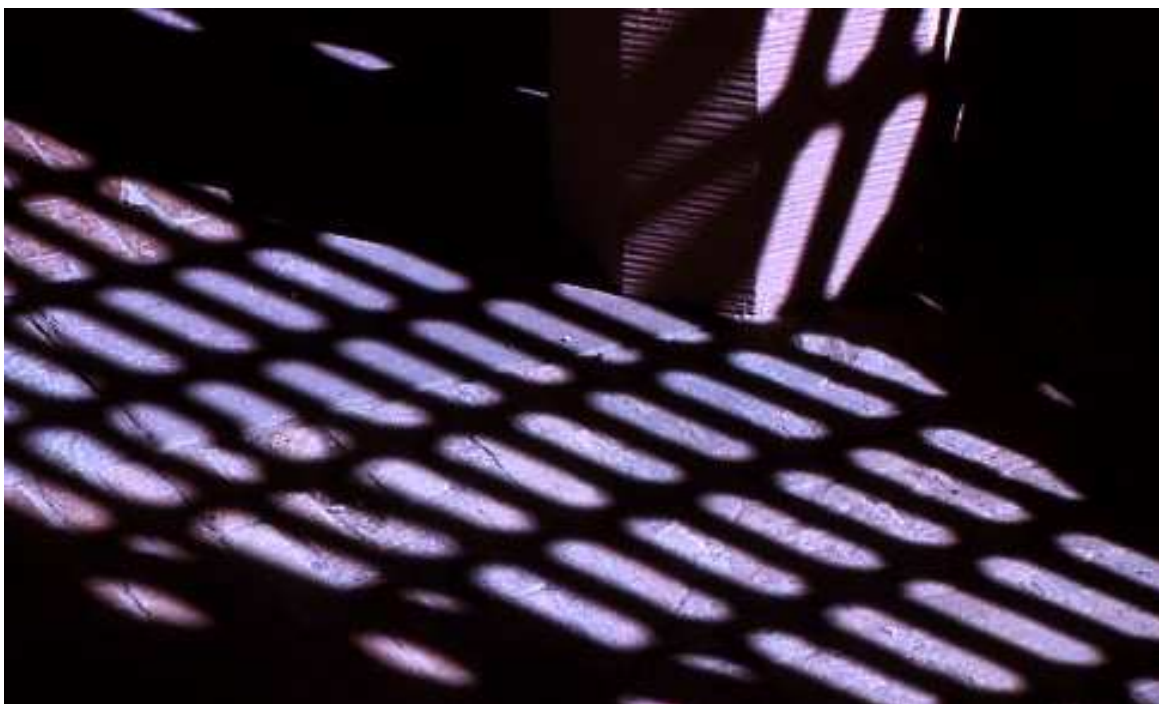
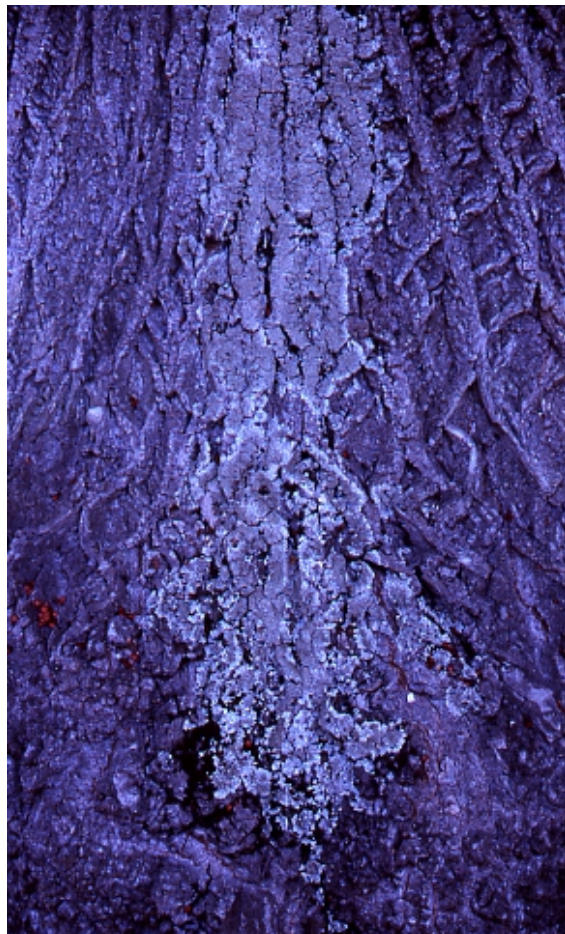
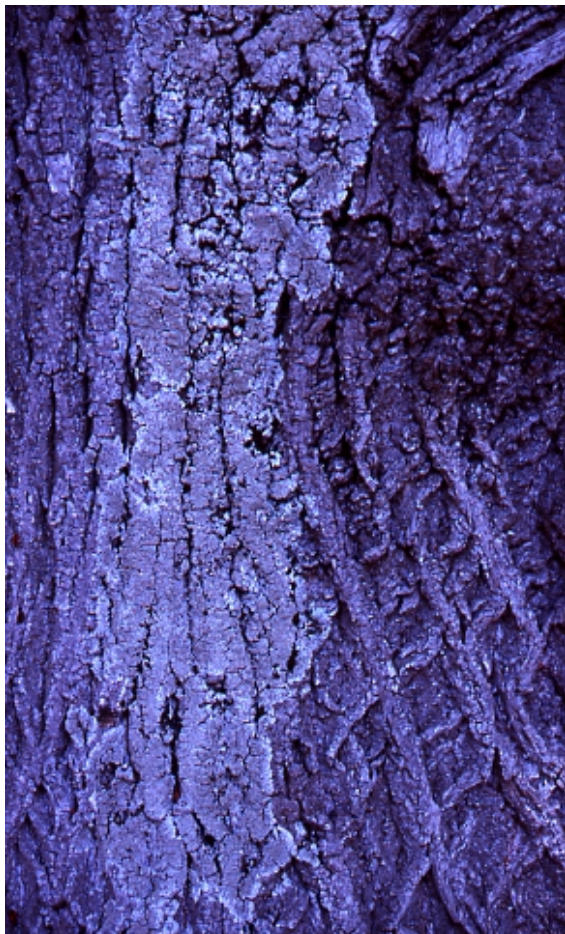


E-6:



Further pictures, developed in process E-6:







At the end some pictures.....





All previous pictures: Copyright by **Bernd Daub**